PURDUE UNIVERSITY | Office of Undergraduate Research

HIKS Suite G937
504 Mitch Daniels Blvd
West Lafayette, IN 47907-2058

Spring 2026 Undergraduate Research Conference: ***Mentors & Other Acknowledgments***

Names appear as submitted in OUR*Connect*. Names may be edited (for future reporting) via "my profile" in OUR*Connect*.

Students' Role Notations: †Presenting Author, ‡Contributing Author, *Acknowledgment

Name	Presentation	Students	Title
Abdelraheem, Ahmed	1938	Jack Thomas Willard† (Engineering|JMHC)	Design of Electrically Small Dielectric Resonator Antennas
Abughali, Anas Zyad	1240	Ca Ngoc My Dinh† (Engineering)	UVM Verification of a Parameterized Binary Counter
Abughali, Anas Zyad	1363	Sirui Yang† (Engineering) Mohamed khaled Mohamed Atta† (Engineering)	UVM-Based Verification of a Platform-Level Interrupt Controller (PLIC)
Abughali, Anas Zyad	1417	Emmanuel Isaac Chang† (Engineering)	Verification of a Stack Pointer Through the use of UVM
Abughali, Anas Zyad	3003	Shawn Chang† (Engineering)	Shift Register Testbench using Universal Verification Methodology
Acton, Colby Ben	1266	Gaetano Antonio Iannotta† (Engineering) Samarth Bhatt† (Science) Tyler Daniel Grabowski† (Engineering) Mehak Kaur Virdy† (Science)	AI For Education
Acton, Colby Ben	1747	Zhenghao Xu† (Engineering) Boyang Wu† (Engineering) Aishani Sakalabhaktula† (Engineering) Anya Chauhan† (Science) Gaetano Antonio Iannotta* (Engineering)	End-to-End Ontology-Driven Knowledge Graph Extraction and Question Answering Framework for Educational AI Chatbots
Adam, Casey Erin	1752	Ryan H.C. Zhang† (Science)	A Deterministic Approach to Spike Detection from Calcium Imaging
Adams, Nicole	1434	Carly Melissa Frith† (Engineering|Liberal Arts) Wei-Yun Liu† (Engineering) Julian Vincent Netherwood‡ (Engineering) Lucas Soldano‡ (Engineering) Niousha Pajouyan‡ (Engineering) Owen Jacob Lee‡ (Engineering) Prithika Rashmi Gopal‡ (Engineering) Rhys Marie Shilling‡ (Engineering) Sahitya Shivany Satish Kumar‡ (Engineering) Nathan James Arnold* (Engineering) Victor Ionut Ene* (Engineering) Parth Kailash Dubal* (Engineering)	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Adams, Thomas E	1052	Jackson Carey Goehle† (Engineering) En-Hua Chang† (Engineering) Oluwatoye Oseseme Akintunde‡ (Engineering)	Potential Approach to Betavoltaic Batteries Field-Augmentation Technique (FAT) for Depletion-Region Scaling and Power-Density Breakthroughs
Adams, Thomas E	4000	Jackson Carey Goehle† (Engineering) En-Hua Chang† (Engineering) Oluwatoye Oseseme Akintunde‡ (Engineering)	Potential Approach to Betavoltaic Batteries Field-Augmentation Technique (FAT) for Depletion-Region Scaling and Power-Density Breakthroughs
Ademoye, Taiwo Ademola	1114	Hannah Irma Reyes Charles† (Agriculture|JMHC)	Pathological Effects of DMSO and Incubation Conditions on Wild-Type, Mutant, and N-Acetylated ?-Synuclein
Adeoye Olenloa, Temitope Folasade	1454	Dhara Vishnukant Inani† (DSB|JMHC)	Project Management Efficiency and Feasibility: A Model for Optimizing Performance and Outcomes

Name	Presentation	Students	Title
Adeoye Olenloa, Temitope Folasade	1848	Aarushi Gupta† (HHS|Liberal Arts|JMHC) Lorellei Estella ro Fletcher† (HHS|JMHC) Layna Sue Herzog† (HHS|JMHC) Shivani Sivakumar† (HHS|JMHC) Tamanna Kokan* (Engineering) Shauryeh Raj Kapur* (Engineering|JMHC) Rhema Ann Navin* (HHS|JMHC) Camille Anais Grei Jorenby* (Engineering|JMHC)	Supporting Youth Needs Through Community-Based Afterschool Programming
Adeoye Olenloa, Temitope Folasade	9031	Tamanna Kokan† (Engineering) Anna Rose Pruden† (Science|JMHC) Aarushi Gupta* (HHS|Liberal Arts|JMHC) Ayomikun Akinkuehinmi* (HHS|JMHC)	Meeting the Needs of Families Involved in Afterschool Programs
Adesina, Kolawole Emmanuel	1495	Alexander Lucian Molotiu† (Engineering|JMHC) Sydney Noel Ochs† (Engineering|JMHC)	Experimental and Monte Carlo–based dosimetric characterization of a monochromatic X-ray fluorescence (MXRF) system for in vivo bone lead (Pb) measurement
Adler, Jacob	1445	Alena Nevaeh Hennings† (Science) Vivian Grace Johnson† (Science) Riddhi Amit Shobhavat* (Science)	Garden Management Practices Influence the Soil Bacterial Biodiversity for Watermelon Plants
Agarwal, Shubhanshu	1438	Ram Goyal† (Engineering) Paul Spitz* (Engineering)	Synthesis of Low-Carbon Solution-Processed CuInGaSe? and CuInSe? Materials with Potential Photovoltaic Applications
Agrahari, Ashutosh	1018	Wyatt Tristan Carter† (Agriculture)	Metal-Ligand-Driven Epitaxial Peptide Growth
Agrawal, Rakesh	1438	Ram Goyal† (Engineering) Paul Spitz* (Engineering)	Synthesis of Low-Carbon Solution-Processed CuInGaSe? and CuInSe? Materials with Potential Photovoltaic Applications
Agrawal, Rakesh	1531	Yutika Vasudeo Sawant† (Science|JMHC)	Multi-Objective Bayesian Optimization (MOBO) for CuIn1-xGaxSe2 (CIGSe) synthesis
Aguilar, Juliana	1883	Kerri Riane Mathew† (HHS|JMHC)	Mindful Emotion Regulation for Adults with Intellectual Disabilites
Aguilar, Ruben C	1019	Julia Elizabeth Casales† (Science) Grace Engblom Wolf‡ (Engineering) Ava Grace Harrison‡ (Science) Naomi Joy Scott‡ (Science)	Artificial Multispecific Ligand for the Targeting of Bladder Cancer Cells
Ahluwalia, Akshdeep Singh	1130	Yiting Tsai† (Science|JMHC)	Predictive Maintenance of Air Compressors in Air Separation Units Using Generative Time-Series Modeling
Ahmed, Nafisa	1019	Julia Elizabeth Casales† (Science) Grace Engblom Wolf‡ (Engineering) Ava Grace Harrison‡ (Science) Naomi Joy Scott‡ (Science)	Artificial Multispecific Ligand for the Targeting of Bladder Cancer Cells
Ajagu, Richard Osita	1117	Sofi Zhang Schmitt† (Engineering) Abhi Theo Hakhu† (Engineering) Akul Goyal† (Engineering) Brian Wu† (Engineering)	Probabilistic Collision Mitigation for Low Earth Orbit Satellites
Ajagu, Richard Osita	1146	Alexander Haitian Zhang† (Engineering) Alexander Lam Nguyen† (Engineering) John Michael Wyman† (Engineering) Mohamed Mahmoud Zaitoun† (Engineering) Siddhant Monish Tandale† (Engineering)	Comparative Analysis of NRHDG and NMPC Frameworks for Autonomous Drone Racing
Ajagu, Richard Osita	1292	Suhani Mathur† (Engineering) Shaunabh Bose† (Engineering) Kareem AbdelHameed Hassan† (Engineering) Farah Moussa† (Engineering)	Adverse Weather Effects on Multi-Sensor Autonomous Driving

Name	Presentation	Students	Title
Ajagu, Richard Osita	1556	Steven James Van Hulle† (Science) Joshua John Beigel† (DSB) Jacob Charles Long† (Engineering) Margulan Mukhametkarim† (Engineering) William David Bridgnell† (Engineering) Alexander Michael Gansler‡ (Engineering|JMHC) Alexander T Valdes‡ (Engineering) Andrew Joseph Shelley‡ (Polytechnic)	NSWC AIMM ICC Autonomous Boating Challenge
Ajagu, Richard Osita	1673	Griffin Xander Kanzeg† (Engineering) Benjamin Tianming Sun† (Engineering) Marco Alexander Wilson† (Engineering) Suraj Ketan Patel† (DSB)	Human-Informed Real-Time Autonomous Control System for Go-Kart Navigation
Ajagu, Richard Osita	1709	Paresh Pobbati† (Engineering) Andrew Ryan Davidson† (Science|JMHC) Kush Aklank Kodiya† (Science) Basant Sharma† (Science|JMHC)	Kalman Filter Based Sensor Integration For Go-kart localization
Ajagu, Richard Osita	1744	Zhishan Wang† (Engineering) Kaijie Zhu† (Engineering) Kieran Venkat Desireddi† (Engineering) Zheng Qing† (Engineering) Jacob Junjie Zhang† (Engineering) Brian Sam Lee† (Engineering) Jacob Forrest† (Engineering)	Controller Design for Autonomous Racing Vehicle
Ajagu, Richard Osita	1751	David Michael Yuhas† (Engineering) Ibrahim Shahid† (Engineering) Matthew Douglas Frago† (Engineering) Ethan Keid Chen† (Engineering) Pedro Andres De Jesus Velez† (Engineering)	Autonomous Go-Kart Training Algorithm Mechanical Sub-Team Spring 2026
Ajagu, Richard Osita	1806	Yash Rajendra Ashtekar† (Engineering) Arin Kedar Swadi† (Engineering) Sehyeong Yeom† (Science) Aidan Kwan† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Real-Time Path Planning and Trajectory Optimization for Autonomous Motorsports
Ajagu, Richard Osita	1827	Bea Alyannah Magsayo Cortes† (Engineering) Aryav Gogia† (Engineering) Aiden Tian† (Engineering) Akram Reda Mahmoud† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Autonomous Go-Kart: Perception and Simulation
Ajagu, Richard Osita	1834	Aya Wael Mohammed Tawfik Elghayaty† (Engineering) Siddarth Balaji Calidas† (Engineering) Liam Thomas Yates† (Science) Aadya Rangole† (Science) Connor Benjamin Coladonato‡ (Engineering) Manasvi Meka‡ (Science|JMHC)	Extreme Conditions SLAM: A High-Speed Weather Resistant Simultaneous Localization and Mapping Implementation
Alam, Muhammad A	1441	Yonathan Gur† (Engineering)	Study of Electrode Materials for Electrostatic Methods for Removal of Dust Particles on Photovoltaic Solar Panels
Alam, Waqas	1099	Arnab Paul† (Engineering)	Sustainable Biomass Derived Mycelium Membranes for Thermal Desalination
Alban Dominguez, Juan Sebastian	1531	Yutika Vasudeo Sawant† (Science|JMHC)	Multi-Objective Bayesian Optimization (MOBO) for CuIn1-xGaxSe2 (CIGSe) synthesis
Albers, Geriann	3000	Rebeca Joyce Appelmann† (Agriculture) Kylee Ann Thorson* (Agriculture) George D Emerson* (Agriculture|JMHC) Laila Alexandra Klang* (Agriculture)	Evaluating the efficacy of chicken manure as a wildlife lure

Name	Presentation	Students	Title
Alkhadhir, Eiman Musaid	1329	Katherine Grace Rumsey† (Engineering) Nikhil Rakesh Patel† (Engineering) Hannah Elizabeth Kobza† (Engineering) Kyle Burdick Frank† (Engineering) William Elliott Warden‡ (Engineering) Samarth Rastogi‡ (Engineering|JMHC) Shidan Wan‡ (Engineering)	ThermOcean: Marine Powered Desalination Using Membrane Distillation
Allen-Petersen, Brittany Lee	1515	Elisabeth Porter† (HHS)	Understanding the role of PP2A-B56a in Epithelial-to-Mesenchymal Transition in Pancreatic Cancer
Allen-Petersen, Brittany Lee	1541	Emily Grace Smith† (Science|JMHC)	Loss of PP2A-B56a Disrupts Cell Identity and Promotes Tumorigenic Traits in NSCLC
Allert, Beate I	7104	Naomi Chirawala† (Liberal Arts|Science)	Title: From Mechanical Bodies to Emotional Algorithms: Development of German Cinema in Response to Technological Advancements.
Allert, Beate I	8015	Joseph Daniel Badgley† (Liberal Arts)	Alienation in German Cinema: The Struggles of Integration in a Shifting Society
Alvey, Kyle Robert	1474	Zachary George Lammer† (Exploratory Studies)	Socioemotional Development in Pediatric ADHD: a Synthesis of Internal Deficits and External Factors
Alvey, Kyle Robert	1557	Tanya Umesh Kumar Verma† (HHS)	Rethinking Custody Determinations: Relational Context and Children's Mental Health After Divorce
Alvey, Kyle Robert	3107	Hazel Christine Stephens† (HHS|Liberal Arts)	Understanding Distrust in Government: Political, Psychological, and Media Lens
Anand, Pranjal	1715	Lesley Aneliz Rodriguez† (Engineering) Mi-Hsueh Wu† (Engineering) Anas Eyad Rafei† (Engineering)	Developing a Smartphone-Enabled Laryngoscope
Ananda, Kanduluru	1643	John Oliver Richard Gase† (Agriculture) Noah Matthew Winebrenner† (Engineering)	Targeted Recruitment of Immune Effector Cells for the Treatment of Influenza and Cancer
Anandan, Sudharshan	1041	Lily Dawn Farmer† (Engineering)	Photocatalytic Self-Pumping Membranes
Anandan, Sudharshan	7031	Tyler James Hughes† (Engineering)	Acoustic Enhancement of Porous Filters in HVAC Systems for Submicron Bioaerosol Removal
Anandayuvaraj, Dharun Rajkkumar	3105	Joshua Peter LeBlanc† (Engineering) Ian Mitchell Yao† (Engineering)	FailBot - LLM-based SFMEA Generation
Anasori, Babak	1418	Pratyush Chettri† (Engineering|JMHC)	Monitoring progress of MAX to MXene etching using a hydrogen gas sensor
Anderson, Jennifer	1898	Julie Thu Anh Phung† (Engineering)	Recovered Pre-Gestational Acute Kidney Injury Preserves Gestational Vascular Function but Suggests Reduced Renal Reserve in Mice
Anderson, Joe	1762	Lindsay Kathryn Sutherland† (Engineering|JMHC)	SCALE: Synthesis and Thermal Characterization of Hydrophobic Aerogels for Heat Management in Advanced IC Packaging Applications
Anderson, Nicole L	1913	Sydnie Alexandria Scozzaro† (Science|JMHC)	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
Anderson, Theresa M	1571	Yuchen Zhang† (DSB|HHS|JMHC) Ellie Grace Ketcham* (Agriculture|JMHC)	Mechanical Tensional Force Alters Ductal Morphogenesis and Tissue Architecture in the Peripubertal Mouse Mammary Gland

Name	Presentation	Students	Title
Andrulis, Alec John	1053	Shrienidhi Gopalakrishnan† (Engineering) Taviish Bothra† (Engineering) Syd Ghosh† (Engineering)	Simulation and design of the texturing subsystem within the Cardinal GPU
Anwer, Megha	7049	Rosemary Campbell Vannoy† (DSB|Liberal Arts|JMHC)	Ukraine War in Photographs
Appenzeller, Joerg	1711	Samridh Prabhakar† (Engineering) Brendan V Espinola† (Engineering) Robert Maxwell Neitzke† (Engineering) Benjamin Eunsang Ryu† (Engineering) Laksh Nagpal‡ (Engineering)	Staticstical process Control on First order RC circuits with Metal Insulator Metal capacitor
Appenzeller, Joerg	1821	Alexandre Chan Tome† (Engineering) Huan Yi Kuo† (Engineering) Nolan Cai Tai† (Engineering) Jeffrey Dao Jun Hew† (Engineering|JMHC) Logan Scott Fergusson† (Engineering) Cheng-Kai Chiang† (Engineering)	Statistical Process Control for RC Circuit Fabrication
Apuzzo, Cassandra Blair	1010	Makayla Grace Bell† (HHS|Liberal Arts|JMHC) Phoebe Beheler* (Liberal Arts) Maxwell Cooper Splaine* (Libraries)	The Cataloguing and Preservation of Fort Ouiatenon Artifacts
Ardekani, Arezoo	1303	Conner Joseph Niemann† (Pharmacy|JMHC) Josi Laura Gallo† (Agriculture|JMHC) Jijnasu Prakash Rout† (Engineering) Audrey Frances Wise† (Pharmacy|JMHC)	Fabrication of Biomimetic Extracellular Matrix
Ardekani, Arezoo	1337	Gabriel Scott Shifflett† (Engineering) Habin Jang† (Agriculture|Engineering) Ifeoluwa Ayodeji Fasan† (Science|JMHC)	Fabrication and Physicochemical Characterization of a Cellulose Triacetate Membrane as a Glomerular Filtration Model
Ardekani, Arezoo	1529	Aakash Sanjay† (Engineering) Sanika Sudhir Bane† (Engineering) Andrew Jonathan Savysky† (Engineering) Nikitha S Kambi† (Engineering) Rhea Rakhra† (Engineering)	Effect of Maternal Albumin Concentration on Small-Molecule Binding
Ardekani, Arezoo	1714	Elana Simone Rhoge† (Engineering)	Benchmarking Methods for Defocused Particle Tracking Datasets
Ardekani, Arezoo	7053	Rhea Rakhra† (Engineering) Sanika Sudhir Bane† (Engineering) Nikitha S Kambi† (Engineering) Andrew Jonathan Savysky† (Engineering) Aakash Sanjay† (Engineering)	In vitro measurements mimicking Placental Transfer of Small Molecule Drugs
Aryal, Sadikshya	7048	Sarah Lisa Steffey† (Pharmacy|JMHC)	Adenyl Cyclase 6 and Adenyl Cyclase 9 Oligomerization
Atkin, Annabelle Lin	1252	Madelyn Grace Gaeta† (HHS)	A Qualitative Examination of Parental Racial-Ethnic Socialization (RES) Experiences of Multiracial Adolescents: What RES messages do Multiracial adolescents find valuable for their racial-ethnic ident
Ault, Aaron C	1535	Ellis Reuben Selznick† (Engineering) Ji Bing Ni† (Science) Asvin Sivathanu† (Science|JMHC) Hosung Ryu† (Science) Paul Thomas Bay Rickert† (Science|JMHC) Neel Bhavesh Patel‡ (Science)	TimeScale Creator Online: Web Tool for Visualization of Earth
Ault, Aaron C	1664	Behruz Izbaev† (Science)	Public Database and Website for the Geologic Units of Uzbekistan (Central Asia)
Ault, Aaron C	1927	Ekaterina Tszyao† (Science) Samyukta Balaji† (Engineering) Rhea Virk† (Engineering)	A Complete Online Database of Invertebrate Fossil Genera
Avera, Davis Roy	1719	Amelia Betrond Schriver† (Engineering)	Effects of Wear Profiles on the Dynamic Performance of Steel Roller Coaster Track

Name	Presentation	Students	Title
Aziz, Huma	1242	Sharon Oluwadara Dosunmu† (Science)	Impact of Smoke-Free and Tobacco-Free Campus Policies on Tobacco Use: A Systematic Review
Babusis, Nicholas Vytautas	1113	Aleks Ratkovic† (Engineering) Jacob Michael Jannotta† (Polytechnic) Kavin Gupta† (Engineering) Pavle Duric† (Engineering) Samuel Duprey‡ (Science) Henri Goosen‡ (Science) Alan Joshua Hsu‡ (Engineering) Ehan Souham Masud‡ (Engineering) Gabriel Loren Oliger‡ (Engineering) Peyton Aaron Williams‡ (Engineering) Ege John Balci‡ (Engineering) Stella Margarette Alcorn* (Engineering) Justin Andre Bachmann* (Engineering) Ashutosh Barman* (Engineering) Addison Bauer* (Engineering) Seth Berenson Berkowitz* (Engineering) Cole Emerson Blocher* (Engineering) Christopher Evan Brantley* (Science) Lyon T Burns* (Engineering) Nicholas Gabor* (Engineering) Henry Thomas Gleason* (Engineering|JMHC) Nyssa Guha* (Engineering) Katharina Anne Guth* (Engineering|JMHC) Gregg Hallman* (Engineering) Alvin Hu* (Engineering) Matthew Ethan Huffman* (Engineering) Ava Mary Janish* (Engineering) Pranav Krishnamoorthy* (Engineering|JMHC) Bruce Joseph LaBounty* (Engineering) Chewon Lim* (Engineering) Joseph Raymond Pelletier* (Engineering) Arthur Prudius* (Engineering) Anna Genevieve Radulski* (Engineering) Kumaran Aathiysh Surgunavel* (Engineering)	Development of the APEx CubeSat Mission
Babusis, Nicholas Vytautas	1344	Christopher Robert Stemporzewski† (Engineering|JMHC) Aran Thevar† (Engineering) Deborah Mercylin David† (Engineering) Madeline G Taylor‡ (Science) Peyton Mackenize Barton‡ (Engineering) Suhani Pothireddy‡ (Engineering) Ashton Christopher Hoff‡ (Engineering)	Evaluation of Grid Manufacturing Methods for Reducing Arcing in Gridded Ion Thrusters
Babusis, Nicholas Vytautas	1612	Olivia Eugenia Avalos Villar† (Engineering) Madeline G Taylor‡ (Science)	Design and Comparative Analysis of Hollow and Lattice Resistojet Thrusters for Small Satellite Applications
Babusis, Nicholas Vytautas	1669	Bailey Marie Jones† (Engineering|Liberal Arts) Samir Mehra† (Engineering) Christopher Robert Stemporzewski† (Engineering|JMHC) Milo Li Reed† (Engineering) Madeline G Taylor‡ (Science)	Scaling the Axial Ring Cusp Hybrid (ARCH) Magnetic Configuration from 3cm Gridded Ion Thrusters to a 10cm Gridded Ion Thruster
Babusis, Nicholas Vytautas	7087	David Rubin† (Engineering|JMHC) Stephen Michael Tushentsov† (Engineering)	Development and Optimization of Inductively Coupled Plasma Neutralizer for Electric Propulsion Applications

Name	Presentation	Students	Title
Babusis, Nicholas Vytautas	7121	Nathan Yu† (Engineering) Ethan James Pugh† (Engineering) Madeline G Taylor‡ (Science) Robert Maxwell Neitzke‡ (Engineering) Aayush Ranjan Kumar‡ (Engineering)	Development, Analysis and Testing of an Undergraduate Hall Effect Thruster Using Alternative Channel Materials
Bachman, Brent Benjamin	1256	Novalee Reese Glass† (Agriculture)	Assessment of Colonic Estrogen Receptor Expression in the Activity-Based Anorexia Model
Bae, Euiwon	1300	Laksh Nagpal† (Engineering)	Light scattering Simulations using SCATMECH
Bahr, David F	1346	Ian Strachan† (Engineering)	SCALE Impact of Intermetallic Compounds on the Mechanical Response of Solders
Bahr, David F	1868	William Ironside Koppin† (Engineering|Liberal Arts)	Nanoindentation Testing of SAC305 with Additive Bismuth for the Determination of Mechanical Property Influence
Bailey, Ryan Prado	1688	Ying-Wei Lin† (Engineering) Kevin Yu† (Engineering) Qiming Chai† (Engineering) Tim Jacques van Antwerpen† (Engineering)	Electroplating Optimization for TSV-Based Heterogeneous Integration
Baker, W Beecher	1093	Prisha Grace Mungara† (Science) Riya Singh† (Science)	AI SHARE: Building the Global AI Attitudes Research Portal
Balasubramanian, Aanand Krishna	7078	Adithya Sridhar† (Engineering) Jenny Mengmeng Li† (Engineering) Cole Ryan Scheidler† (DSB) Nicole Elizabeth Bunag† (Engineering) Garv Atri‡ (Liberal Arts|Science) Sofia Castro‡ (Engineering)	Collaborative Design for Social Impact: Branding and Web Development for a Veteran-Serving Nonprofit
Balian, Lara Nicole	1699	Reigan Kay Nies† (HHS)	A Review of Clinic-Based HPV Self-Sampling Implementation Strategies and Impact on Cervical Cancer Screening Participation
Balian, Lara Nicole	1810	Deeksha Gayathri Badugu† (Engineering) Katherine Schallwig† (HHS|JMHC)	Cervical Cancer Education and Screening Intervention for People Experiencing Homelessness: Impact on Knowledge, Attitudes, and Screening Preferences
Baloni, Priyanka	7143	Shanlin Ruan† (HHS)	Cell type metabolic alterations in Alzheimer Disease (AD)
Bandy, Rayna Augustin	7084	Rachel Anne Rudnicki† (Science)	KRAS loss of heterozygosity modulates response to Hp infection in gastric cancer cells
Banerjee, Arnab	1882	Ryan Y Manley† (Engineering) Diana Vergun† (Engineering) Rowan Anthony Segner† (Engineering) Joseph Dean Scarpa† (Engineering) Matteo Jordan Cobin‡ (Engineering) Adil Soltan‡ (Science) Vikram Ganesh Kumar‡ (Engineering) Lydia Carmen Derstine‡ (Science) Ethan Julian Ramon‡ (Engineering|JMHC)	Physical and Motorized Bloch Sphere
Bansal, Divyanshi	1847	Ansh Grover† (Science) Ayush Chaurasia* (Engineering) Abhishek Kaushikkar* (Engineering)	Bayesian Approaches for System Identification of a Mass-Damper System
Bansal, Divyanshi	7090	Abhishek Kaushikkar† (Engineering) Ansh Grover‡ (Science) Ayush Chaurasia‡ (Engineering)	Frequency based System Identification of Mass Spring Damper and 3 Degrees of Freedom Fixed Wing Aircraft Systems
Bansal, Divyanshi	9011	Ayush Chaurasia† (Engineering) Abhishek Kaushikkar‡ (Engineering) Ansh Grover‡ (Science)	Time-domain System Identification for Spring Mass Damper System

Name	Presentation	Students	Title
Bansal, Shubhra	1249	Cian Ouray Flaherty† (Engineering)	SCALE HI-AP: Interconnect Technologies for 3D-Heterogeneous Integration
Bansal, Shubhra	1346	Ian Strachan† (Engineering)	SCALE Impact of Intermetallic Compounds on the Mechanical Response of Solders
Bansal, Shubhra	1524	Jonathan Samuel Ryan† (Engineering)	(SCALE) Topology optimization of flow structures for cooling multi-chip modules
Bansal, Shubhra	1755	Tania Yi-wye Chim† (Engineering)	SCALE: An Evaluation of Novel Materials for Solid State Cooling of 3D HI Advanced Packages
Bansal, Shubhra	1756	Geetika Chitturi† (Engineering|JMHC)	SCALE: Resistive Random-Access Memory Modeling and Fabrication for In-Memory Computing in the Back-End-of-Line
Bansal, Shubhra	1757	Erik Kocinare† (Engineering)	SCALE: Heterogeneous Integration of sMTJ for Probabilistic Bits
Bansal, Shubhra	1759	Timothy P Malloy† (Engineering|JMHC)	SCALE Solder Alloy Characterization Techniques for Microelectronic Reliability Insights
Bansal, Shubhra	1760	Ammar M Mukadam† (Engineering)	SCALE: Physics-Informed Machine Learning for Predicting Thermal Interface Material Degradation
Bansal, Shubhra	1761	Rachel Christine Quisil Ordiales† (Engineering)	SCALE Characterizing High-Temperature Pb-free Solder Joints
Bansal, Shubhra	1762	Lindsay Kathryn Sutherland† (Engineering|JMHC)	SCALE: Synthesis and Thermal Characterization of Hydrophobic Aerogels for Heat Management in Advanced IC Packaging Applications
Bansal, Shubhra	1763	Ethan Xinghan Tan† (Engineering|JMHC)	SCALE HI-AP: Nanotwinned (111) Electroplated Copper for Hybrid Bonding
Bansal, Shubhra	7089	Salihcan Paul Kremer† (Engineering)	Temperature-Dependent Raman Spectroscopy of TGVs and TSVs
Bansal, Shubhra	9058	Laasya Thiagarajan† (Engineering)	SCALE Pt-Based Halide Perovskites and BiVO4 Photoanodes for Energy and Heterogeneous Integration Applications
Barbarash, David Michael	1473	Soonjae Kwon† (Science) Noah Lee Timonera Federovitch† (Engineering)	Dynamic Weather Modeling for Environmental Realism
Barbarash, David Michael	1564	Caleb Anthony Weigel† (Agriculture) Savannah Gunderson* (Agriculture)	Kampen Golf Course Ecological Restoration
Barbarash, David Michael	1623	Yuan Chi Chang† (Engineering) Abhishek Bandaru† (Science) Chun-Yu She† (Engineering) Jae Man Yim† (Science) Subin Chatterjee‡ (Science)	Event-Driven Simulation of Human Behavior
Barbarash, David Michael	1687	Richard Lin† (Engineering) Shrey Parikh† (Engineering) Anuj Krish Nair† (Science)	Modeling Pedestrian Dynamics in Urban Design Through Context-Aware NPC Simulation
Barker, Richard John	7054	Mia Constance Schecter† (Agriculture|JMHC) Lily Amelia Zheng† (Agriculture|Engineering) Gram Henry Zavos† (Engineering) Henry Joseph Ewald† (Engineering) Gregory Alfred Glenn‡ (Engineering) Sushma Katta‡ (Engineering) Victoria Rose Lucarelli‡ (Engineering) Elizabeth Marleen Gray‡ (Science) Leesa Chelsea Takara‡ (Engineering) Shruti Subramaniyan‡ (Engineering)	Design and Optimization Through Experimental Validation of a Microgreen Growth Chamber for Lunar and Terrestrial Applications

Name	Presentation	Students	Title
Barnes, Robert John	8014	Aadya Rangole† (Science)	Medieval Euripides: Staging a Performance of the Christos Paschon in the 12th Century
Barocio Vaca, Eduardo	1098	Paul Kyu-Hwan Park† (Polytechnic)	Microstructure-Thermal-Mechanical Correlation for Feasibility Assessment of Recycled Thermoplastic Aerospace Composites
Barocio Vaca, Eduardo	1345	George Richard Stevens† (Engineering) Thomas Edgardo Schmitz* (Engineering|JMHC)	Additive Manufacturing with Hybrid Continuous and Discontinuous Fiber Systems
Barocio Vaca, Eduardo	7122	En-Hua Chang† (Engineering)	Large-Format Additive Manufacturing - Characterizing Anisotropic Shrinkage and Warpage in Semi-Crystalline Polymers
Bartlett, Edward L	1008	Devyn Simone Barton† (Science)	Optimizing Confocal Imaging Parameters for Neural and Cochlear Tissues Involved in a Noise-Exposure Study
Basso, Guilherme	1487	Edwin Gibrant Diaz Maldonado† (Science)	Characterizing premenstrual gait performance with and without cognitive demand
Bathina, Rishikesh Reddy	1026	Jacob Adam Clark† (Engineering) Alexander Raffaele Ciccarelli† (Engineering)	Utilizing Hardware Kernels to Accelerate RDMA Transactions in Data Centers
Bathina, Rishikesh Reddy	1235	Navya Harini Datla† (Engineering) Michael Lee† (Engineering) Joshua David Klug† (Engineering) Jash Snehal Pola† (Engineering)	VLIW Scheduler Core Design for AI Hardware Accelerator Chip
Bathina, Rishikesh Reddy	1563	Daniel Wang† (Engineering) Jeremy Jingrui Mao† (Engineering) Mridulla Ganesh† (Engineering)	Software Defined Emulation for HW/SW codesign of Smart Remote Memory (StRoM) Network Interface Cards in Datacenter applications
Bathina, Rishikesh Reddy	1645	Omkar Ghodke† (Engineering) Kshitij Miraj Shah† (Engineering) Jovan Kim† (Engineering) Steven Li† (Engineering|JMHC)	Hardware Verification of a custom RDMA Network Accelerator using the HAPS-100 4F FPGA system
Bathina, Rishikesh Reddy	1820	Cynthia Sarai Castaneda† (Engineering|JMHC) Parin Paresh Timbadia† (Engineering|JMHC) Yunfei Gao† (Engineering) Jacob Lee Prior† (Engineering)	Memory Subsystem for an FPGA-Based RDMA Datacenter Network Accelerator
Bathina, Rishikesh Reddy	1824	Branden Woojin Cho† (Engineering) Nolan Porter Jones† (Engineering|JMHC) Weichih Hsieh† (Engineering) Maxwell Christophe Sprague† (Engineering) David Kim† (Engineering) Brady Owen Philhower† (Engineering)	Smart Remote Memory - Network Parsing and Generating
Bathina, Rishikesh Reddy	3012	Jaanav Bhavin Shah† (Engineering|JMHC) Pranav Karthik Vadde† (Engineering) Niya Ganesh Bhat† (Engineering) Prajeeth Kumar† (Engineering) Ray Zhangxu† (Engineering) Andrew Paul Becker† (Engineering|JMHC) Noah Zhu† (Engineering)	Acceleration of Polyphase Filter Banks for NASA's Habitable World's Observatory
Bauchet, Jonathan J	1614	Zixuan Bao† (Agriculture)	Collective action in environmental conservation: A randomized controlled trial of a Forest Carbon Emissions Reduction Program in Bolivia
Bauman, Emily Lynn	1452	Anna Leigh Huston† (HHS)	Barriers to Manufacturing Employment for Veterans with Traumatic Brain Injury: Employee and Employer Perspectives

Name	Presentation	Students	Title
Baumgartner, Beth Elly	1038	Aurora Esterline† (HHS)	Fatigue on the Frontlines: Evaluating 24-Hour EMS Shifts and Patient Outcomes
Baumgartner, Beth Elly	1067	Drew Kyle Kerkhof† (Education)	Technology in the Classroom
Baumgartner, Beth Elly	1071	Keira E Kildea† (HHS)	Sustainable Travel: Understanding Impact and Incentives
Baumgartner, Beth Elly	1128	Jonathon A Toney† (HHS)	The Role of Confidence in Sports Psychology
Baumgartner, Beth Elly	1232	Markis D Crosbie† (Liberal Arts)	Balancing Guidance and Autonomy: An Exploration on Instructor and Student Centered Approaches to Literature Instruction
Baumgartner, Beth Elly	1306	Nicole Pajor† (HHS)	Understanding The Rising Prevalence of Celiac Disease
Baumgartner, Beth Elly	1359	Autumn Taylor Ware† (HHS|JMHC)	Healthcare Disparities in Developing Countries
Baumgartner, Beth Elly	1406	Sophie Elizabeth Ball† (HHS)	Early Vaccine Concerns to Modern Safety: A Microbiological Perspective
Baumgartner, Beth Elly	1494	Kalen Karrigan Moe† (Agriculture|HHS) Divya Pillutla† (HHS) Ting-chih Ko† (HHS) Isak W Rantanen† (HHS)	Bacteria-enhanced Immunosuppression of Breast Cancer Metastasis in 4T1.2 HER2+ Murine Tumor Models Treated with M1 Anti-HER2 CAR-Macrophages
Baumgartner, Beth Elly	1508	Alexandria Michelle Parsons† (HHS)	The Role of Lifestyle Behaviors and Nutrition in Alzheimer
Baumgartner, Beth Elly	1562	Allison Lynn Wang† (HHS)	Heart Disease and the Hidden Risk Factors
Baumgartner, Beth Elly	1698	Mieka Victoria Neely† (HHS)	The Transformation of Obesity Treatment: Evaluating the Impact of GLP-1 Medications
Baumgartner, Beth Elly	1828	Lilly Ella Taylor Corya† (HHS)	Ultra-Processed Foods and Their Impact on Physical and Mental Health
Baumgartner, Beth Elly	1856	Isabella Angelina Illarde† (HHS)	Is Cancer Inevitable? Environmental Exposure and the Unequal Burden of Disease
Baumgartner, Beth Elly	1932	Elizabeth Kaye Walter† (HHS|Liberal Arts)	Psychology of Phone Addiction
Baumgartner, Beth Elly	7099	Elizabeth Kathleen Goebel† (HHS)	The Hidden Mechanism of Malaria Transmission
Beasley, Melanie M.	3202	Camila Franco† (HHS) Colin Andrew Kuhn† (Liberal Arts) Erin Marie Long† (Liberal Arts) Caroline Wrye Albright† (Science) Nathaniel Martin Schaefer‡ (Liberal Arts) Poseidon Van Thompson* (Liberal Arts) Risha Gupta* (Engineering) Reese Elizabeth Whitfield* (Science)	Are You Human? AI-Assisted Forensic Human Identification from Laser Scans of Bone Fragments
Beckett, Linda Marie	1571	Yuchen Zhang† (DSB|HHS|JMHC) Ellie Grace Ketcham* (Agriculture|JMHC)	Mechanical Tensional Force Alters Ductal Morphogenesis and Tissue Architecture in the Peripubertal Mouse Mammary Gland
Bellisario, Kristen Marie	1275	Kirah Leigh Knobel† (Engineering|JMHC)	Conservation in Action: Protecting the Eastern Box Turtle
Bellisario, Kristen Marie	1620	Nathaniel Aaron Casabar† (Engineering|JMHC) Alexa Naranjo† (Engineering|JMHC) Yashvi Agrawal† (Engineering|JMHC) Vanshi Topiwala† (HHS|JMHC)	How do Birds Interpret Noises from Tire-pavement Interactions from Bridges in the Midwest?
Bellisario, Kristen Marie	1644	Brittany Ann Geer† (Science|JMHC) Saujin Park† (DSB|JMHC) Christian Edward Kay Escasa† (Polytechnic|JMHC)	The Effects of Pulse Disturbances on Avian Activity in Tippecanoe County, Indiana

Name	Presentation	Students	Title
Bellisario, Kristen Marie	1658	Jordan Ma'sandra Sue Hinkle† (Agriculture|JMHC) Sierra Hunnicutt* (Science|JMHC)	Bobcat Habitat Preference
Bellisario, Kristen Marie	1660	Katie Luo Hong† (Agriculture) Aidan Benjamin Feirstein‡ (Liberal Arts|Science|JMHC) Abigail Rose Malott* (Agriculture|Liberal Arts|JMHC) Sierra Hunnicutt* (Science|JMHC) Alexandra Grace Early* (Agriculture) Lourdes Gabrielle Ferrer-Ortiz* (Agriculture|JMHC) Lukas Benjamin Kraft* (Agriculture|Engineering|JMHC) Antonia Christina Alexiou* (Science|JMHC)	Gray wolf presence in trails in relationship to human disturbance gradient for corridor insights
Bellisario, Kristen Marie	1695	Katerina Murkes† (Science|JMHC) Abigail Rose Malott* (Agriculture|Liberal Arts|JMHC) Sierra Hunnicutt* (Science|JMHC)	Are acoustic indices scalable indicators of bobcat presence and overall habitat suitability in Indiana?
Bellisario, Kristen Marie	1722	Kendall Elizabeth Sherwood† (HHS|JMHC) Lourdes Gabrielle Ferrer-Ortiz† (Agriculture|JMHC) Caroline Grace Cacchillo† (HHS|JMHC) Sanah Kochhar† (HHS|JMHC)	How Does Aircraft Noise Impact Avian Species Richness in Peri-Urban Temperate Forests?
Bellisario, Kristen Marie	1880	Abigail Rose Malott† (Agriculture|Liberal Arts|JMHC) Alexandra Grace Early† (Agriculture) Katerina Murkes‡ (Science|JMHC) Sierra Hunnicutt* (Science|JMHC) Lourdes Gabrielle Ferrer-Ortiz* (Agriculture|JMHC)	A Comparison of eDNA Results to Remote Sensing Data to Determine Biodiversity
Bellisario, Kristen Marie	1923	Harini Subramanian† (Engineering|JMHC) Kelly Thomas Rezek-Te Winkle† (DSB|JMHC) Emiri Imamura† (Polytechnic|JMHC) Mason Leland Harleman† (Liberal Arts|Polytechnic|JMHC)	Disturbances from Above: How do Planes impact the Wildlife Below?
Bellisario, Kristen Marie	1926	Sofia Rose Trone† (Science|JMHC)	Help protect the Horseshoe Crab: Utilizing Public Outreach to Help a Threatened Species
Bellisario, Kristen Marie	7109	Aidan Benjamin Feirstein† (Liberal Arts|Science|JMHC) Katie Luo Hong‡ (Agriculture)	Effects of recreational visitation and trail presence on bobcat (Lynx rufus) occurrence in Midwestern protected areas
Bellisario, Kristen Marie	7110	Antonia Christina Alexiou† (Science|JMHC) Abigail Rose Malott* (Agriculture|Liberal Arts|JMHC) Sierra Hunnicutt* (Science|JMHC)	Evaluating how alternative white-tailed deer regulation shapes community composition in the Midwest
Bellisario, Kristen Marie	7140	Sierra Hunnicutt† (Science|JMHC) Abigail Rose Malott* (Agriculture|Liberal Arts|JMHC)	Annual patterns in local bobcat (Lynx rufus) presence in relation to seasonal flooding and species life history traits
Bellucci, Manuel	1248	Anna Alden Fisher† (Agriculture|Liberal Arts|JMHC)	Uptake and translocation of VOCs from leaf to root in tomato seedlings
Ben-Abdallah, Addam Jalal	1145	Nicholas Casamir Yurkus† (Science) Truman Carl Parrish† (Engineering) Jeev Srinivas Sosale† (Science)	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Benitez de la riva, Alejandro	1083	Sophia Yixuan Lu† (Engineering)	Developing a Physics-based Digital Twin for Semiconductor Manufacturing Equipment
Benitez de la riva, Alejandro	1712	Vaishnnavi Purram† (Engineering|JMHC) Sicheng He† (Science) Omkar Ghodke† (Engineering) Paul Aiden Williams† (Engineering)	Pragmatika: AI-integrated Dynamic Virtual Twins for Next-Generation Semiconductor Equipment Training & Workforce Development
Bennett, Junior Anthony	1459	Zhengyi Jiang† (Science)	Exploring Embodied Reasoning in Engineering Students' Understanding of Statistics

Name	Presentation	Students	Title
Benware, Mary-Margaret Brigette	1205	Grace Louise Amburgey† (Science|JMHC) Emmeline Rose Seest‡ (Agriculture|JMHC) Grace Elizabeth Collins‡ (Agriculture) Renee Danielle Walmoth‡ (Agriculture)	The relationship between sugar accumulation and the timing of leaf senescence in two species of deciduous trees: An analysis of photosynthetic pigment degradation
Bera, Aniket	7118	Daniel Jonathon Proano† (Science) Millan Shah Kumar* (Science|JMHC) Shay Joseph Manor* (Science) Elan Smyla* (Science)	Lightweight Real-Time Track Masking and Edge Detection for Autonomous Racing Vehicles
Berbille, Andy	1429	Cody Douglas Dickin† (Science|JMHC)	Spontaneous Electrochemiluminescence Triggered by Simple Contact at Metal–Solution Interface
Berhanu, Anene Tesfa	7117	Andrew Yoon Young Cheong† (HHS|JMHC)	Longitudinal Insights into Food Vendors' Livelihood Strategies in Kenya
Bermel, Peter A	1033	Uyen Do† (Engineering) Kenzo Avery Evans† (Engineering) PO-Tsung Hsu† (Engineering) Eric Younghoon Song† (Engineering) Bobby Gu† (Engineering)	Development of a High-Selectivity Al2O3 Mask Strategy for Bosch-Based Etching in 3D Integration
Bermel, Peter A	1055	Bobby Gu† (Engineering) James Arthur Spezzano‡ (Engineering|JMHC)	Nondestructive Detection of Counterfeit Integrated Circuits
Bermel, Peter A	1321	Nikhil K Raman† (Engineering)	Evaluating Feasibility of Heat Sink Integration for Photovoltaic Modules using Accelerated Life Testing and Degradation Rates
Bermel, Peter A	1361	Jasper Louis Wei† (Engineering) Marawan Sultan Mah Abdulsattar† (Engineering)	Model Predictive Control for Grid Stability in Multi-Microinverter BIPV Systems
Bermel, Peter A	1441	Yonathan Gur† (Engineering)	Study of Electrode Materials for Electrostatic Methods for Removal of Dust Particles on Photovoltaic Solar Panels
Bermel, Peter A	1455	Vandana Dhriti Iyer† (Engineering) Julia Madison Dolpies† (DSB)	Modeling Solar-Powered EV Charging Capacity in a Parking Lot Microgrid: A Case Study in West Lafayette, Indiana
Bermel, Peter A	1550	Sunny Townsend† (Engineering) Nicholas Paul Santorelli† (Engineering)	Optimizing the Use of Diverging Lenses in Co-location Food and Energy Production
Bermel, Peter A	1688	Ying-Wei Lin† (Engineering) Kevin Yu† (Engineering) Qiming Chai† (Engineering) Tim Jacques van Antwerpen† (Engineering)	Electroplating Optimization for TSV-Based Heterogeneous Integration
Bermel, Peter A	1728	James Arthur Spezzano† (Engineering|JMHC) Sean Ross Klein‡ (Engineering) Kevin Yu‡ (Engineering) Wei Lun Chang‡ (Engineering) Bobby Gu‡ (Engineering)	Nondestructive Tests for Counterfeit Integrated Circuit Detection

Name	Presentation	Students	Title
Bermel, Peter A	1745	Ryan Wans† (Engineering|Science) Max Antonio Vallone† (Engineering) Alek Christian Taranov† (Engineering) Grant Dlugos Congdon† (Engineering|Liberal Arts|JMHC) Arthur Prudius‡ (Engineering) Priya Adiga‡ (Engineering|JMHC) Laura van Ritbergen‡ (Engineering) Elliott Elizabeth Bossett‡ (Engineering) Rohan R Iyer‡ (Engineering) Aaron Fernandes‡ (Engineering) Randolph Nathan Ha‡ (Engineering|JMHC) Arunav Lamba‡ (Engineering|JMHC) Gavin Anthony Payne‡ (Engineering|JMHC) Jack Thomas Willard* (Engineering|JMHC)	Low-Cost 24 GHz Phased Array FMCW Radar Front-End on Open-Source 130nm CMOS
Bermel, Peter A	1821	Alexandre Chan Tome† (Engineering) Huan Yi Kuo† (Engineering) Nolan Cai Tai† (Engineering) Jeffrey Dao Jun Hew† (Engineering|JMHC) Logan Scott Fergusson† (Engineering) Cheng-Kai Chiang† (Engineering)	Statistical Process Control for RC Circuit Fabrication
Bermel, Peter A	1871	Andrew Gabriel Lee† (Engineering)	Degradation-Aware Dispatch Optimization for Residential Vehicle-to-Building (V2B) and PV Systems
Bermel, Peter A	3007	Melinda Liu† (Engineering)	A Comparative Analysis of Silicon and Gallium Nitride in Transistor Architectures (MOSFET, IGBT, BJT, and HEMPT) for High-Frequency Photovoltaic Power Conversion
Bermel, Peter A	7051	Maya Elizabeth More† (Engineering)	Correlations Between Internal and External Aging on Power MOSFETs for Automotive Systems
Bermel, Peter A	7052	Eli Bradley Ade† (Engineering) Sabastian Hunter Hamilton† (Engineering) Zackary Pieter Homrich† (Engineering) Pham Anh Minh Nguyen† (Engineering) Rex Wu† (Engineering)	Process Development and Characterization of Through-Silicon-Vias (TSVs) for Advanced Packaging Using Deep Silicon Etching and a Photoresist Soft Mask
Bermel, Peter A	7100	Matheus H Ponte† (Engineering) Alex G Rodriguez-Gonzalez* (Engineering|Science|JMHC)	Simulating New Materials for Photonic Interconnects using the Beam Propagation Method (BPM).
Bermel, Peter A	9009	Hanglen Chang† (Science)	Comparative Sizing of Off-Grid PV-Battery-Generator Systems for Mountainous Sites Using 20-Year NSRDB Data
Bermel, Peter A	9012	Yuren Chen† (Engineering)	Solar-Driven Electric Vehicle Charging: Modeling Rooftop PV Integration with Level-2 EV Infrastructure
Bernal, Ximena	1670	Grace Lynn Jurkovic† (Science)	Vision In Context: Ecological Scaling of Mosquito Compound Eyes
Bernal, Ximena	1723	Jabez Soongeui Shin† (Science) Stiwar Albeiro Catano Cardeno‡ (PWL)	Effect of artificial light at night and traffic noise on tadpole morphology and physiology
Bernal, Ximena	1851	Nina Rose Hall† (Science|JMHC)	Navigating the Noise: How Urban Noise Impacts the Ability of a Frog-Biting Mosquito to Find Hosts
Bernal, Ximena	7018	Abby Marie Hagan† (Science)	A population viability analysis (PVA) approach to examine conservation strategies in the critically endangered Lehmann

Name	Presentation	Students	Title
Betancur Mesa, Diana Carolina	1261	Leticia Lie Hashimoto† (Agriculture|Engineering)	Lipids production via yeast fermentation of liquefied soybean hulls
Bhandari, Santosh	1900	James Thomas Pittard† (Science)	Neural Network Based Likelihood Inference of Top-Quark Effective Field Theory at CMS
Bhardwaj, Kayshav	1270	Arnav Ashish Kalekar† (Engineering) Vishaal Iyer† (Science) Om Vishvanath Muthyala† (Science) Sooji Lee† (Science)	A Vision-based Machine Learning Approach to Automatic Music Transcription for Guitar
Bhatnagar, Adi	7085	Ian William Jack† (Engineering|JMHC)	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Bhatt, Smriti	7067	Keaton David Bennett† (Polytechnic|JMHC)	That Product Isn't Real: A Look at the Growing Threat of AI-Generated Content in Scams, Phishing Attacks, and Social Engineering
Bhatt, Smriti	7093	Aditya Pandurang Prabhu† (Engineering)	A Graph based framework for trust scoring in AIoT Networks
Bhatt, Smriti	7152	Abijith Subramanian† (Polytechnic|JMHC)	Introducing Digital Signatures and Permission Declarations for MCP Tool Security
Bhuiyan, Faharia Hasan	7089	Salihcan Paul Kremer† (Engineering)	Temperature-Dependent Raman Spectroscopy of TGVs and TSVs
Bhunia, Arun K	1446	Luke Wilson Heymann† (HHS) Sebastian Gao Meginnis‡ (HHS)	Therapeutic and Prophylactic Effects of Postbiotic Derived from a Next-Generation Probiotic in a Colitis Mouse Model
Bhunia, Arun K	1729	Benjamin Douglas Springer† (Science) Sebastian Gao Meginnis* (HHS)	Inhibitory Properties of a Novel Whey Protein Concentrate on Porcine Epidemic Diarrhea Virus (PEDV)
Bimali, Sabina	1760	Ammar M Mukadam† (Engineering)	SCALE: Physics-Informed Machine Learning for Predicting Thermal Interface Material Degradation
Birla, Harshavi P	1668	Yuexin Jiang† (Engineering) Kean Tian† (Engineering) Yu-Hsien Liu† (Engineering|Science) Wey Ee Lau† (Engineering) Marcus Macapodi Douge‡ (Engineering) Arnav Vikrant Bawankule‡ (Science)	Virtual Purdue Campus Tour: A VR Experience from PMU to the Chemistry Building
Biruete, Annabel	1059	Carla Hernandez† (HHS)	Effects of a Culturally Appropriate Snack on Sensory Evaluation and Cardiometabolic Outcomes in Hispanic/Latino Individuals: A Pilot Study
Biruete, Annabel	1336	Kara Olivia Shields† (HHS)	A survey of inpatient nutrition care for people with chronic kidney disease
Bischoff, Giles A	1251	Connor Bradley Frey† (Science) Maya N Kobeissi† (Engineering) Andrew Thomas Choung† (Engineering) Muhammad Waliyullah Fazili† (Engineering) Mason Bowyoung Liu† (Engineering) James Patrick Graham† (Engineering) Luca Piero DalCanto† (Engineering)	Beyond 5G VIP
Blackmon, Samantha	1223	Myla Leeann Cantrell† (Liberal Arts|JMHC)	Perceptions vs. Preferences: A Study of Nintendo's Advertising to Women and Girls Compared to Female Players' Expressed Interests
Blendell, John E	1758	Colton Pierce Lennen† (Engineering)	SCALE: Mechanical Performance of High Temperature Solders

Name	Presentation	Students	Title
Blendell, John E	1761	Rachel Christine Quisil Ordiales† (Engineering)	SCALE Characterizing High-Temperature Pb-free Solder Joints
Borders, Nicholas Ryan	1066	Lauren Elizabeth Johnson† (Science|JMHC)	Ice, Ice, Maybe: Depositional Origins of the Konnarock Formation, VA
Borkowski, Michael Humes	1498	Harihara Sujit Nair† (Science|JMHC)	A Multi-Modal Deep Learning Pipeline Utilizing Transfer Learning and Phenotypic Profiling for Repurposing Therapeutics Against Clostridioides difficile
Bosman, Lisa B	1202	Audrey Olivia Ackermann† (Liberal Arts|Polytechnic) Nathan William Wu† (Polytechnic)	Academic Trajectory and Logistical Advising System (ATLAS)
Bosman, Lisa B	7030	Prachet P Sowale† (Engineering)	Preserving Rigor While Expanding Technical Expression: Student Perceptions of UDL-Informed Assessment in Engineering
Bosman, Lisa B	7111	Nidhi Kirani† (Engineering|Liberal Arts|JMHC) Angela Anqi Tan‡ (DSB|JMHC) Neha Naladala‡ (Science|JMHC)	Project Scaffolding for Skill Development and Engagement in Engineering Education
Bosman, Lisa B	9008	Jose Andres Casas Tarazona† (UTEC)	A Phased Net Metering Policy Framework for Peru with Incentive-Based Distributed Solar Adoption
Bosman, Lisa B	9025	Ayda Sue Hayman† (Polytechnic) Avery Wynn Boyer† (Polytechnic) Margaret Rose Avery† (Polytechnic)	FitWise: AI-Based Personalized Fitness Recommendation System for Gym-Users
Bosman, Lisa B	9030	Grace Elizabeth Kelley† (Polytechnic) Renee Michelle Back† (Polytechnic)	Smart Dining: Applying AI to Purdue Dining
Bosman, Lisa B	9032	Nicole Ioanna Konstant† (Engineering|JMHC)	Integrating Social Justice into Differential Calculus: Impact on Student Engagement and Perception of Learning
Bosman, Lisa B	9038	Jackeline Manrique Quispe† (UTEC)	Empowering Rural Peru: Community Training for Sustainable Solar Energy
Bosman, Lisa B	9039	Rocio Mantari Huarcaya† (UTEC)	EcoCircular Perú: A Community-Based Innovation for Resource Efficiency and Sustainable Consumption
Bosman, Lisa B	9040	Shingisai S Marondera† (Polytechnic) Kseniya Kuzmitskaya† (Polytechnic)	Boiler Up: AI-Powered Interview Success
Bosman, Lisa B	9041	Florella Martinez Ortega† (Liberal Arts|Polytechnic) Nataliyah Simone Gage† (Polytechnic)	AI Onboarding Innovation
Bosman, Lisa B	9047	Noah O'donnell† (Polytechnic) Ty Daniel Woodward† (Polytechnic) Charles Isaac Olivetti† (Polytechnic)	The AI Advantage: Smarter Career Fair Preparation
Bosman, Lisa B	9050	Jordan Malachi Rang† (Polytechnic) Samuel Louis Ferrugia† (Polytechnic) Jack M Montes† (Polytechnic)	Leveraging Google NotebookLM to Optimize Student Learning
Bosman, Lisa B	9052	Alex Rose Schmierer† (Polytechnic)	Better Questions, Smarter Prep: AI as a Pre-Interview Career Coach
Bosman, Lisa B	9054	Jhilary Kassandra Silva Melgarejo† (UTEC)	Adapting International Renewable Energy Incentives to Strengthen Peru's Energy Transition
Bosman, Lisa B	9057	Trisha Bimal Thakkar† (Science|JMHC)	Connecting Theory to Practice: Advancing Student-Centered Learning in the Robotics Engineering Classroom through Online Discussions
Bosman, Lisa B	9059	Joaquin Vargas† (UTEC)	Funding Clean Urban Mobility Through Transport Policy Reform

Name	Presentation	Students	Title
Bosman, Lisa B	9060	Austin James Wren† (Polytechnic) Conner Rusell Basham† (Polytechnic) Riley Mitchel Dronet† (Polytechnic)	Pete's BiteBot
Botero Carrizosa, Sara Catalina	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Bougher, Staci	7133	Lauren Elizabeth Sharp† (PWL)	The Oppressed and Exploited: Exploring the exploitation of immigrants in the American workforce
Bowman, Aaron B	1299	Navnoor Kaur Mutti† (HHS|JMHC)	The Effect of Methylmercury Exposure on Mitochondrial Membrane Potential of RA-differentiated SH-SY5Y Cells
Bramson, Ali	1034	Kylee Rene Dodd† (Science) Walker Andrew Millhoff* (Liberal Arts|Science) Isabella Grace Shockley* (Engineering|Science)	Investigating the Effects of Sample Size on Lunar Analog Characterization
Bramson, Ali	7036	Hiya Samanta† (Science|JMHC) Arin Bhave† (Engineering) Henry J Lee* (Science|JMHC) Siya Chirag Jariwala* (Science|JMHC)	Co-design and Development of VR Cave Experience for Geoscience Students
Branon, Ethan Marcus	1219	Aiden Christopher Branon† (Polytechnic) Luke Wilson Heymann† (HHS)	Perceived Severity vs. Social Influence in the Development of Trauma-Like Symptoms
Bras, Harris J	1021	Gregory Chekerdjian† (Polytechnic)	Human judgement being replaced by data in the hiring process
Bras, Harris J	1030	Benjamin Jhih-wei den Besten† (Science)	Machine Learning in Myoelectric Prosthetics: Achievements, Limitations, and Engineering Barriers
Bras, Harris J	1032	Eric Ding† (Science)	Music Maketh Man
Bras, Harris J	1079	Chowon Lee† (Science)	Why Do People Still Get Cavities Despite Brushing Their Teeth?
Bras, Harris J	1085	Madeline Marie Mansueto† (Science)	Dry Age-Related Macular Degeneration Treatment Outcomes
Bras, Harris J	1101	Joshua Rai Perez† (Science)	The Growing Myopia Epidemic: Interplay Between Environmental and Genetic Drivers of Rising Childhood Prevalence
Bras, Harris J	1119	Mia Rose Siciliano† (Agriculture)	The evolution of book censorship
Bras, Harris J	1131	Cole William Tweedy† (Polytechnic)	How AI is shaping the future of Game Development
Bras, Harris J	1229	Brendan Franklin Cohen† (Polytechnic)	Does Broadband Regulation Increase Access? A Look Across OECD Nations
Bras, Harris J	1244	Aya Elsawy† (Science)	Identification of Molecular Targets of Lippia Organoides Compounds in Triple Negative Breast Cancer (TNBC)
Bras, Harris J	1295	George Nathan Metcalf† (HHS)	Burnout Among Emergency Physicians
Bras, Harris J	1360	Vincent Linton Weaver† (Polytechnic)	The Importance of Mental Health within the Software Industry
Bras, Harris J	1368	Danila Zhumatiy† (Science)	Assessing Student's Cognition in Science Education. Practical and Ideological Perspectives.
Bras, Harris J	1475	Jaewoo Lee† (Science)	Evaluating the Association Between Psychological Stress and Bruxism Among College Students

Name	Presentation	Students	Title
Bras, Harris J	1480	Huanfu Li† (Polytechnic)	Simulating the Wealth of Virtual Nations: A Neuro-Symbolic Multi-Agent Approach to Economic Systems
Bras, Harris J	1608	Darel Arsa Aradin† (Polytechnic)	The Impact of Information Technology Service Management on Digital Transformation Outcomes in Modern Enterprises
Bras, Harris J	1610	Ammar Omar Atia† (HHS)	Unmasking Autism: A Disorder of Higher Intelligence
Bras, Harris J	1616	LiliAnn Margaret Breunig† (HHS)	Building a Strong Foundation: Injury Risk and Training Access in Female Travel Sports
Bras, Harris J	1646	Benaiah Preston Glant† (Polytechnic)	Privacy and Data Collection in Digital Entertainment
Bras, Harris J	1661	Lizzi Blu Horton† (Science)	Exploring Biological Vulnerabilities to Addiction
Bras, Harris J	1662	Rui Huang† (Polytechnic)	Travel Guide to Japan's Most Popular Tourist Cities
Bras, Harris J	1694	Tanisha Mittal† (Polytechnic)	When the Internet Lies: AI-Slop and the Digital Trust Crisis
Bras, Harris J	1730	Christopher Bryon Stackpole† (Polytechnic)	Level-of-Detail Controls for Real-Time Fluid Simulations
Bras, Harris J	1740	Reid Lane Veracco† (Polytechnic)	Routine Infant Circumcision: Research in a Uniquely American Phenomenon
Bras, Harris J	1808	Haile Anne Baber† (Science)	Beyond Screening: Evaluating the Effectiveness of School-Based Vision Programs
Bras, Harris J	1853	Malachi Bruce Hendrickson† (Agriculture)	Sports Betting and its Effects on Mental Health
Bras, Harris J	1869	Nila U Kumar† (Science)	Watches, Apps, and Workouts: Do Trackers Boost College Exercise?
Bras, Harris J	1877	Runguang Li† (Science)	Quantitative Decision-Making in College Basketball Sports Betting: A Mathematical Analysis of Odds, Performance, and Clutch Outcomes
Bras, Harris J	1878	Xinghao Li† (Science)	Smart Medicine, Smarter Training: The AI Revolution in Healthcare Education
Bras, Harris J	1908	Mikayla Rene Rebeles† (Polytechnic)	When Fear Becomes Obsession
Bras, Harris J	1934	Justin Jiarui Wang† (Science)	Effects of Data Poisoning Attacks on the Reliability of Critical Systems
Bras, Harris J	3011	Stefan Harrison Joseph Sanders† (Science)	Is AI a threat to your job or just another technological advancement
Bras, Harris J	3206	Valeria Marie Mendoza† (Agriculture)	The Impact of Social Media Nutrition Misinformation on Young Adults' Dietary Beliefs and Choices
Bras, Harris J	7009	Charles R Basham† (Agriculture|Engineering)	Is Phage Therapy Effective Against Antibiotic-Resistant Bacteria?
Bras, Harris J	7017	Ethan Vinaiyaka Gopaul† (Science)	An Ethical Exploration of the Emerging World of Genetic Modification to Cure Diseases
Bras, Harris J	7124	Kanin Valyasevi† (Polytechnic)	East and West German Films After World War 2
Bras, Harris J	7126	Joseph Michael DeWane† (Polytechnic)	The Impact of Music Generation Software on Musicians

Name	Presentation	Students	Title
Braught, Alexander Thomas	1365	Elizabeth Thais Zakharov† (HHS) John Allen Hollander† (Science) Tina He Lei† (Science) Sahana Srinivasan† (Agriculture|JMHC) Andrew Jungho Kang‡ (Science) Nicholas Joseph Castellana‡ (Engineering) Carolyn Jia‡ (Agriculture|JMHC) Karthik Varigonda* (Science|JMHC) Shreya Krishnan* (Engineering)	Modeling Neuroblastoma with AlphaFold and Patient Datasets
Bretey, Keith	1632	Dylan Thomas Day† (Agriculture) Courtney Elizabeth Phillips† (Agriculture|JMHC)	The Reduction of Pre-Weaning Mortality and Improved Piglet Weaning Outcomes with Peri-Farrowing Meloxicam Administration
Briggs, Scott D	1458	Carolyn Jia† (Agriculture|JMHC)	Characterization of Set4's function in modulating azole suppression in Candida glabrata
Briggs, Scott D	1636	Maren Michele Eaton† (Agriculture|JMHC) Lauren Rose Connors‡ (Agriculture) Carolyn Jia‡ (Agriculture|JMHC)	Investigating the Role of SET Domain-Containing Epigenetic Factor Set4 in Azole Suppression in C. Glabrata
Bronzini, Juliana Marie	1215	Mikayla E Bell† (Science)	Assessing VEGFR3 signaling as a potential therapeutic target for radiation-induced angiosarcoma (RIAS)
Brosseau-Lapre, Francoise	1909	Jillian Grace Robbins† (HHS) Emma Grace Gutknecht† (HHS) Maya Therese Newton† (HHS|JMHC)	Types of speech errors produced by preschoolers
Brosseau-Lapre, Francoise	7042	Emma J Hall† (HHS) Ella Nicole Birgel† (HHS)	Speech production variability in children with and without speech sound disorders
Brown, Candice	7142	John Ward Robbins† (HHS|JMHC)	Identification of Circulating Extracellular Vesicle Biomarkers from Patients with Ischemic Stroke and Silent Brain Infarcts
Brown, Josephine Maria	1424	Matthew Thomas Corson† (HHS|JMHC)	Impact of neuromelanin formation on modeling Parkinson's Disease in rats and its implications in Parkinson's disease neurobiology
Brunswicker, Sabine	1105	Ronit Podder† (Engineering) Alan Kang† (Science) Anderson Anousit Varner† (Engineering) Sriranga Pydimarri† (Engineering)	Fixed Wing UAV Classical GNC Path Planning
Brunswicker, Sabine	1847	Ansh Grover† (Science) Ayush Chaurasia* (Engineering) Abhishek Kaushikkar* (Engineering)	Bayesian Approaches for System Identification of a Mass-Damper System
Brunswicker, Sabine	7090	Abhishek Kaushikkar† (Engineering) Ansh Grover‡ (Science) Ayush Chaurasia‡ (Engineering)	Frequency based System Identification of Mass Spring Damper and 3 Degrees of Freedom Fixed Wing Aircraft Systems
Brunswicker, Sabine	7106	Alan S Yi† (Science) Adam Yixuan Zhang† (Science) Erin KaiChi Too† (Science) Luca Chen† (Engineering) Aryan Shahane† (Science) Srinidhi Datta Tammana† (Science) Manas Anantha Maligi† (Engineering)	A Gymnasium-Based Reinforcement Learning Environment for Fixed-Wing Indoor UAV Autonomy in the PURT Facility
Brunswicker, Sabine	9011	Ayush Chaurasia† (Engineering) Abhishek Kaushikkar‡ (Engineering) Ansh Grover‡ (Science)	Time-domain System Identification for Spring Mass Damper System

Name	Presentation	Students	Title
Buchowski, Taylor Sophia	1003	Sabina Akelbek† (Science) Farah Hazim Moha Shohatee† (Science|JMHC) Elyse Youngstedt† (Agriculture|Engineering) Mia Noreen Wilhite† (Agriculture|Engineering|JMHC)	Decoding the Phage Tail: Structural Differences Between Virulent and Temperate Bacteriophages
Buchowski, Taylor Sophia	1027	Erica Paige Conley† (Agriculture|Engineering|JMHC) Madison Lih-Rong Hou† (DSB) Noah Daniel Brooks† (Agriculture|Engineering|JMHC)	An Evaluation of PhaBOX for Predicting Bacteriophage Lifestyle and Gene Function
Buchowski, Taylor Sophia	1029	Elizabeth Nan Zi Darland† (Agriculture|Engineering) Olivia Lucille Kimmick† (Science) Janelle Mei Macler† (Science) Divya Vishal Wadhwa† (Engineering)	Comparative Pattern Analysis of Hypothetical Proteins Across Clustered Phages
Buchowski, Taylor Sophia	1069	Sreesha Vedavalli Kidambi† (Agriculture|Engineering) Alyssa Brianna Sutherlin† (Agriculture|Engineering|JMHC) Jason England Thiagarajan† (Agriculture|Engineering) Evan Michael Trent† (Agriculture)	Identifying Oligomers with Defined Functions in Phage Genomics
Buchowski, Taylor Sophia	1316	Katherine Alfreda Poirier† (Agriculture|Engineering|JMHC) Dagan James Knight† (Engineering|JMHC) Jehereli Abisai Scheker-Garcia† (Agriculture|Engineering) Lucy Jean Fanning† (Agriculture|Engineering)	Using existing predictive protein structure software and neural network models to identify protein functions of hypothetical proteins
Buchowski, Taylor Sophia	1322	Eva E Refeld† (Agriculture|Engineering) Perry William Reel† (Agriculture|Engineering|Liberal Arts) Sein Kim† (Science)	Reporting Results on the Validity of Current Technology on the Characterization of Phage AirForce1 Orphams
Buchowski, Taylor Sophia	1331	Carolyn Elizabeth Sams† (Agriculture|Engineering) Lana Malek† (Agriculture|Engineering) MiKayla Hennigh† (Science|JMHC) Francesca Werner‡ (Science)	Advancing Predictive Phage Therapy Through Machine Learning–Driven Functional, Geographic, and Structural Analysis
Buchowski, Taylor Sophia	1432	Emma Foster† (Agriculture|Engineering|Pharmacy|JMHC) Jose Luis Melendez† (Agriculture|Engineering)	Hypothetical Proteins and ORPhams at Bacteriophage Genome Ends
Buchowski, Taylor Sophia	1486	Carlie Ann Lukowiak† (Agriculture|Engineering) Bailey Elizabeth Freese† (Agriculture|Engineering) Natalie George Khazal† (Agriculture|Engineering|JMHC) Annalise Irene Coyne† (Agriculture|Engineering|JMHC)	Analyzing Transmembrane Potential in Hypothetical Proteins: A Case Study
Buchowski, Taylor Sophia	1652	Kathryn Suzanne Gribben† (Agriculture|Engineering) Natalia Brynn Gaffney† (Agriculture|Engineering) Nadia Helen Whalen† (Agriculture|Engineering) Phoebe G Smock† (Agriculture|Engineering)	Investigation into Bacteriophage Circular Genomes
Buchowski, Taylor Sophia	1912	Adriana K Sanchez† (Agriculture|Engineering) Gabriel Adam Murray† (Agriculture|Engineering) Muskan Chirania† (Science) Olivia Madison Krzyzanowski† (Agriculture|Engineering)	Hypothetical Protein Categorization Through Integrated Sequence Annotation and Tertiary Structural Modeling
Buchowski, Taylor Sophia	4001	Bumkyu Kim† (Agriculture|Engineering) Layla Elizabeth Doreski† (Agriculture|Engineering) Tina Atmani† (Agriculture|Engineering) Elliana Rose Lemberis† (Agriculture|Engineering)	Evaluating Unofficial HHpred Function Calls in SEA-PHAGES Genome Annotations
Buchowski, Taylor Sophia	7021	Olivia B Williams† (Science) Claire Henley Shurling† (Agriculture|Engineering)	A Genetic Analysis of Microbacterium Smegmatis Cluster K Bacteriophages for Tuberculosis Infection Treatment

Name	Presentation	Students	Title
Buchowski, Taylor Sophia	7028	Emily Joy Reeves† (Agriculture) Samuel Pelfrey† (Agriculture|Engineering) Timothy Michael Raplee† (Agriculture)	Evaluation of SeqHub for Accurate Predictions of Novel Phage Genome Functions
Buehler, Emily M	1204	Ashley Alvarado† (HHS)	Stigma-related processes and psychological distress in college students with concealable chronic health conditions
Buehler, Emily M	1400	Makenzie Lee Albert† (HHS) Muskaan Navin Nigam‡ (HHS)	Gender differences in reported sleep quality and relational closeness among college students with concealable chronic health conditions
Buginga, Gabriel Cesario	1246	Tianhong Feng† (Science) Parthav Garg† (Science) Kaushik Attuluri† (Science) Ajay Rajaram Bharanidhar† (Science) Nathan Nguyen† (Science)	AI for Constrained Optimization
Buginga, Gabriel Cesario	7057	Kaivalya Agrawal† (Science) Govind Singh Buttar† (Science) Riadh Uthman Alhumaidan† (Science)	AI For Agentic Logistics
Buginga, Gabriel Cesario	7058	Kaivalya Agrawal† (Science)	Compositional AI for Logistics
Burgess, John R	1289	Lucas Andrew Louiso† (HHS)	Optimization of Sulfhydryl Resin-Assisted Enrichment of Functional Glutathione Reductase
Burgess, John R	1512	Yasmin Louise Pirbhai† (HHS|JMHC)	Characterization of Neurite Degeneration Process in SH-SY5Y Cells in Application to Diabetic Peripheral Neuropathy
Burt, Carolyn Sue	1108	Lydia Grace Pultorak† (Agriculture|JMHC)	Bird-window Collisions at Purdue University: A Survey to Inform Mitigation Efforts
Buttes, Stephen	8019	Laura I Hartmus† (PWL)	Narratives of Imitation, Play and Childhood after the Mexican Revolution
Buzon, Michele R	1103	Julia Rose Phelan† (Liberal Arts|Science)	Assessing the relationship between rib fractures and respiratory disease in human skeletal remains
Buzon, Michele R	1413	Gaia Rose Cannoot† (Liberal Arts|Science) Julia Rose Phelan* (Liberal Arts|Science)	A population-specific statistical method for biological sex estimation of isolated crania at an ancient Nubian site
Cai, Caitlyn Yuchong	1308	Jayla Kennedy Parks† (Liberal Arts) Braxtyn Rose Cooper† (Agriculture|Liberal Arts) Audrey Marie Wray† (HHS) Ukiah Mikalah Johnson* (HHS|Liberal Arts) Joyce Claire Lau* (HHS) LauraLynn Montefrio Corrales* (HHS|Liberal Arts) Hazel Rose Carter* (HHS) Lillia Shr* (HHS|Liberal Arts) Tamanna Sahoo* (HHS)	SPIRaL: Climate Change Communication Among College Students
Caldwell, Denise L	1343	Colleen Ryan Squier† (Science)	Trade-offs in Root Cold Acclimation Between Range Edge Populations of Narrow-leaf Plantain
Camarillo, Ignacio G	1244	Aya Elsawy† (Science)	Identification of Molecular Targets of Lippia Organoides Compounds in Triple Negative Breast Cancer (TNBC)
Campbell, Roselyn Anne	1413	Gaia Rose Cannoot† (Liberal Arts|Science) Julia Rose Phelan* (Liberal Arts|Science)	A population-specific statistical method for biological sex estimation of isolated crania at an ancient Nubian site

Name	Presentation	Students	Title
Campbell, Wayne W	1613	Ashley Grace Baker† (HHS|JMHC) Samantha L Johnson‡ (HHS)	Higher Poultry Consumption Does Not Associate with Cardiovascular Morbidity and Mortality: A Systematic Review of Prospective Cohort Studies
Campbell, Wayne W	7006	Samantha L Johnson† (HHS) Ashley Grace Baker‡ (HHS|JMHC)	Association Between Poultry Consumption and Type 2 Diabetes Morbidity and Mortality: A Systematic Review of Prospective Observational Cohort Studies
Cannon, Jason R	1118	Sofia Schumann† (HHS) Kishan Kumar Namburi‡ (Science) Nikita Goldfeld‡ (HHS) Preema Rahman Bhuiya‡ (HHS)	Chlorpyrifos-induced motor deficits are exacerbated in Pon1(-/-) vs wild type.
Cannon, Jason R	1424	Matthew Thomas Corson† (HHS|JMHC)	Impact of neuromelanin formation on modeling Parkinson's Disease in rats and its implications in Parkinson's disease neurobiology
Cannon, Jason R	1814	Preema Rahman Bhuiya† (HHS) Kishan Kumar Namburi‡ (Science) Sofia Schumann‡ (HHS) Nikita Goldfeld‡ (HHS)	Pon1 Knockout Amplifies Chlorpyrifos Induced Mitochondrial Dysfunction
Cannon, Jason R	1845	Nikita Goldfeld† (HHS) Sofia Schumann* (HHS) Kishan Kumar Namburi* (Science) Preema Rahman Bhuiya* (HHS)	Dose dependent effects of Chlorpyrifos on Embryonic midbrain neurons
Cannon, Jason R	1889	Kishan Kumar Namburi† (Science) Sofia Schumann* (HHS) Preema Rahman Bhuiya* (HHS) Nikita Goldfeld* (HHS)	Dose Dependent Effects of Chloropyrifos on Embryonic Cortical Neurons
Caplan, Eylon	1718	Shoeb Suhail Saquib† (Science)	Representation-Driven Emotion Classification in Conversational Text
Carlton, Stuart	1654	Ava Louise Hale† (Agriculture|JMHC)	Messy or Marvelous: Public Opinions on Shoreline Management Styles
Carroll, Chad C	1237	Toben DeLaney† (HHS)	Serum Lipid Mediators and Metabolites Are Associated with Tendon Structural and Mechanical Properties in Type 2 Diabetes
Carroll, Chad C	1250	Matthew Addison Fortino† (HHS|JMHC)	Glycine Supplementation Effect on Wound Healing of Tenocytes
Castro Bohorquez, Beatriz	7154	Ayush Bansal† (HHS) Carla Hernandez* (HHS)	Cutting Costs and Boosting Engagement: A Scalable Model for Student Co-Creation in Large STEM Courses
Ccorahua santo, Robert Jose	1104	Kayla Renae Phillips† (Engineering|JMHC)	Embedded Iontophoretic Biosensing Hardware and Software Design for Metabolic Wearable Sensors
Ccorahua santo, Robert Jose	1245	Zixuan Fei† (Engineering|JMHC) Surya Pratheek Turaga† (Engineering|JMHC) Hening Xu† (Engineering)	Wearable Ultrasound System
Chakraborty, Suman	7064	Gary Huang† (Engineering)	Symbolic Regression as a Correction Method for Vapor-Liquid Equilibrium Prediction
Chakraborty, Tania	1822	Anya Chauhan† (Science) Aadit Kedia† (Science) Siddharth S Kashyap† (Science)	Multimodal Reasoning in the Wild: Assessing VLM Accuracy in Automated Ecological Monitoring
Chan, Deva	1731	Jasmine Maria Steffen† (Engineering)	Longitudinal MRI T2 Mapping of Articular Cartilage in Relation to Osteoarthritis Progression

Name	Presentation	Students	Title
Chan, Deva	1875	Colton Frank Lehnen† (HHS) Ishmine Kaur Heera‡ (Science) Shivani Sivakumar‡ (HHS|JMHC) Andrew Yoon Young Cheong‡ (HHS|JMHC)	Role of antibiotic-induced gut dysbiosis on endurance exercise capacity, body composition, and ability to adapt to exercise.
Chan, Deva	1907	Amrita Rani Raparti† (Science)	Investigating Lumbosacral Degradation Using Micro-CT Amongst Female and Male Mice Following PTOA
Chan, Deva	3208	Carson Paul Rose† (Science)	Antibiotic-Induced Gut Microbiota Disruption and Its Effects on Taxonomic Composition and Circulating Cytokine Profiles Across a Longitudinal Mouse Model
Chang, Ammi	1045	Lorellei Estella ro Fletcher† (HHS|JMHC) Daniella Solares† (HHS|JMHC) Audrey May Krauhs† (Liberal Arts|Science|JMHC) Gracen Isabella Stewart† (Science|JMHC) Yajushi Ashutosh Gokhale‡ (Science|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Jessica Josephine Adams‡ (HHS|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	Analyzing Teamwork Training in Undergraduate Healthcare Education
Chang, Ammi	7059	Yajushi Ashutosh Gokhale† (Science|JMHC) Jessica Josephine Adams† (HHS|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Audrey May Krauhs‡ (Liberal Arts|Science|JMHC) Lorellei Estella ro Fletcher‡ (HHS|JMHC) Daniella Solares‡ (HHS|JMHC) Gracen Isabella Stewart‡ (Science|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	An Analysis of Gamification in Teamwork Training for Undergraduate Education
Chang, Shen	1318	Ramya Prasanna† (Science|JMHC)	A Machine Learning-Derived Immune Transcriptomic Signature for Breast Cancer Prognosis Across Independent Cohorts
Chaturvedi, Ojas	1270	Arnav Ashish Kalekar† (Engineering) Vishaal Iyer† (Science) Om Vishvanath Muthyala† (Science) Sooji Lee† (Science)	A Vision-based Machine Learning Approach to Automatic Music Transcription for Guitar
Chauhan, Akansha	7068	Ella Nicole Kornick† (Engineering|JMHC) Alyssa Sarah Rizzardo† (Engineering) Emmalise Jane Adcock† (Engineering) Louisa Grace Brandt† (Engineering) Dana Michelle Abbring‡ (Engineering) Ariella P Nelson‡ (Engineering) Mallika Subramanian‡ (Engineering) Sydney Alise Madetzke‡ (Engineering) Maria Josephine Nunning‡ (Engineering) Priyanka Thiagarajan‡ (Engineering) Lindsay J Clarke‡ (Engineering) Ella Charlotte McCrudden‡ (Engineering) Emily Ann Enright‡ (Engineering) Catherine Jebi Parakattil‡ (Engineering) Abagail Elizabeth Gaudet‡ (Engineering)	Analyzing the Environmental Impact of Individually-Packaged Utensils
Chavas, Daniel R	7146	Edward Buntain Robison† (Liberal Arts|Science|JMHC)	A Climatological Analysis of Tropical Cyclone Exposure on Second-Level Administrative Divisions in the Western North Pacific
Chavez, Keegan Franics	1850	Katharina Anne Guth† (Engineering|JMHC)	Terrain-Dependent Signal Propagation Mapping at MDRS

Name	Presentation	Students	Title
Chen, Chao	3103	Deep Kotasthane† (PWL)	VEGA: A Dual-Processor Voice-Controlled Robotic Architecture Using Finite State Machine-Based Deterministic Motor Control
Chen, Fangxin	1340	Eleanore Beth Skwiat† (Science)	Effects of Gut Microbial Metabolites on Adiposity and Inflammatory Gene Expression in Male Mice
Chen, Fangxin	1607	Lillian M Andis† (Agriculture)	Influence of the Gut Microbiome on Ovarian Steroidogenesis and Reproductive Hormone Regulation
Chen, Haozhi	1631	Lakshmi S Darapureddy† (Engineering)	Decoding Hand Activity Level–Threshold Limit Value Using Integrated IMU–Tactile Sensing
Chen, Timothy	1078	Sanshray Kumar† (Science) Aaryan Bondre† (Science) Max Jingnan Xu† (Science)	A Study of Vision-Language Models for Grocery Item Detection
Chen, Wei	1266	Gaetano Antonio Iannotta† (Engineering) Samarth Bhatt† (Science) Tyler Daniel Grabowski† (Engineering) Mehak Kaur Virdy† (Science)	AI For Education
Chen, Wei	1747	Zhenghao Xu† (Engineering) Boyang Wu† (Engineering) Aishani Sakalabhaktula† (Engineering) Anya Chauhan† (Science) Gaetano Antonio Iannotta* (Engineering)	End-to-End Ontology-Driven Knowledge Graph Extraction and Question Answering Framework for Educational AI Chatbots
Chen, Weijing Sebastian	1005	Tatchi Dakari Anouan† (Engineering)	Signal-Integrity-Optimized HSMC Breakout Board for SoCET FPGA Development and RTL Prototyping
Chen, Weijing Sebastian	1273	Tyler Ken Kikuno† (Engineering) Brandon B Velasquez Hernandez† (Engineering) Joseph Alexander Schelb‡ (Engineering) Zhuoyu Yang‡ (Engineering) Aubrey L Jones‡ (Engineering)	2.4 GHz Radio Transmitter
Chen, Weijing Sebastian	1505	Sim Seyha Ou† (Engineering)	SoCET: Standardized MCU Validation Board
Chen, Weijing Sebastian	9034	Christine Yixin Liu† (Engineering|JMHC)	Development Board Creation for Testing and Use of the AFT x07+ Chip
Chen, Weijing Sebastian	9064	Philip Louis-Karl Zautke† (Engineering)	Abstract: DE2-115 HSMC Daughtercard (USB 3.0, SATA, SFP, AD/DA)
Chen, Xiaoling	1068	Saajid Khatri† (Science|JMHC)	Structural and Circuit-Level Consequences of SCN2A Loss-of-Function Mutations in Human Cortical and Striatal Organoid Models
Chen, Yu Ching	1763	Ethan Xinghan Tan† (Engineering|JMHC)	SCALE HI-AP: Nanotwinned (111) Electroplated Copper for Hybrid Bonding
Chen, Zhihong	1033	Uyen Do† (Engineering) Kenzo Avery Evans† (Engineering) PO-Tsung Hsu† (Engineering) Eric Younghoon Song† (Engineering) Bobby Gu† (Engineering)	Development of a High-Selectivity Al2O3 Mask Strategy for Bosch-Based Etching in 3D Integration
Chen, Zhihong	1083	Sophia Yixuan Lu† (Engineering)	Developing a Physics-based Digital Twin for Semiconductor Manufacturing Equipment
Chen, Zhihong	1301	Minh Huy Nguyen† (Engineering) Arnav Nadig Kadambi† (Engineering) Yuanxin Liu† (Engineering) Adithya Anand† (Engineering)	Design & Fabrication Process Simulation of MIM Capacitors using TCAD

Name	Presentation	Students	Title
Chen, Zhihong	1711	Samridh Prabhakar† (Engineering) Brendan V Espinola† (Engineering) Robert Maxwell Neitzke† (Engineering) Benjamin Eunsang Ryu† (Engineering) Laksh Nagpal‡ (Engineering)	Staticstical process Control on First order RC circuits with Metal Insulator Metal capacitor
Chen, Zhihong	1712	Vaishnnavi Purram† (Engineering|JMHC) Sicheng He† (Science) Omkar Ghodke† (Engineering) Paul Aiden Williams† (Engineering)	Pragmatika: AI-integrated Dynamic Virtual Twins for Next-Generation Semiconductor Equipment Training & Workforce Development
Chen, Zhihong	1821	Alexandre Chan Tome† (Engineering) Huan Yi Kuo† (Engineering) Nolan Cai Tai† (Engineering) Jeffrey Dao Jun Hew† (Engineering|JMHC) Logan Scott Fergusson† (Engineering) Cheng-Kai Chiang† (Engineering)	Statistical Process Control for RC Circuit Fabrication
Chen, Zhihong	7052	Eli Bradley Ade† (Engineering) Sabastian Hunter Hamilton† (Engineering) Zackary Pieter Homrich† (Engineering) Pham Anh Minh Nguyen† (Engineering) Rex Wu† (Engineering)	Process Development and Characterization of Through-Silicon-Vias (TSVs) for Advanced Packaging Using Deep Silicon Etching and a Photoresist Soft Mask
Chetput Venkataraghavan, Sooraj	1023	Vihaan Reddy Chinthakindi† (Engineering)	Static Graph Compilation and Memory Planning for ML Inference on the Atalla AI Accelerator
Chetput Venkataraghavan, Sooraj	1053	Shrienidhi Gopalakrishnan† (Engineering) Taviish Bothra† (Engineering) Syd Ghosh† (Engineering)	Simulation and design of the texturing subsystem within the Cardinal GPU
Chetput Venkataraghavan, Sooraj	1110	Myles Joshua Pristin Querimit† (Engineering) Mixuan Pan† (Engineering)	Design and Implementation of FP16 and BF16 Floating-Point Units for the Atalla AI Accelerator
Chetput Venkataraghavan, Sooraj	1147	Robert Yida Zhang† (Engineering) Jiayi Liu† (Engineering) Michael X Zhang† (Engineering) Soumil Verma† (Engineering) Mary Francis‡ (Engineering|JMHC)	Kernel Library for Efficient AI Model Inference on the Atalla AI Chip
Chetput Venkataraghavan, Sooraj	1212	Pranav Bantval† (Engineering) Jia-He Zhou† (Engineering) Advay Welling† (Engineering) Raghuv Potdar† (Engineering) Aadi Aniruddha Rave† (Engineering|Science)	Compiler for Computer Graphics Workloads with Software-Handled Hazards
Chetput Venkataraghavan, Sooraj	1235	Navya Harini Datla† (Engineering) Michael Lee† (Engineering) Joshua David Klug† (Engineering) Jash Snehal Pola† (Engineering)	VLIW Scheduler Core Design for AI Hardware Accelerator Chip
Chetput Venkataraghavan, Sooraj	1294	Aidan Michael McDonough† (Engineering) Erhao Chen† (Engineering)	Analysis of the Cardinal gpGPU via Benchmarking with the Nest Custom Graphics Pipeline
Chetput Venkataraghavan, Sooraj	1428	Asavari Deshmukh† (Engineering) Shresth Mathur† (Engineering) Aiden Hughes Sexton† (Engineering)	Exploiting temporal locality in GPU using Register File Cache for power optimization
Chetput Venkataraghavan, Sooraj	1437	Mikhail Golovenchits† (Engineering) Sahil Dhruvan Patel† (Engineering) Shaunak Manish Sarlashkar† (Engineering) James Robert Erwin† (Engineering|JMHC) Aditya Hegde† (Engineering) Vihaan Reddy Chinthakindi* (Engineering) Heng-I Chu* (Engineering)	Designing a Compiler Stack for a Programmable Atalla AI Accelerator
Chetput Venkataraghavan, Sooraj	1555	Nikhil Kishore Vaidyanath† (Engineering) Nicha Muninnimit† (Engineering) Don Anh Nguyen† (Engineering) Seongjoong Yim* (Engineering) Myles Joshua Pristin Querimit* (Engineering) Mixuan Pan* (Engineering)	Design and Evaluation of an Area-Efficient GEMM Systolic Arrays for the Atalla Ax01 Accelerator

Name	Presentation	Students	Title
Chetput Venkataraghavan, Sooraj	1561	Jacob Thomas Walter† (Engineering|JMHC) Mayank Patibandla† (Engineering|JMHC) Vedant Sharma† (Engineering) Julio Hernandez† (Engineering) Esharaqa Afreen Jahid† (Engineering) Akhil G Yada† (Engineering) Adam Nabil Ghalayini† (Engineering) Brian Zhuang‡ (Engineering)	Vector Core for Accelerating Nonlinear Layers of AI Models in the Atalla AI Chip
Chetput Venkataraghavan, Sooraj	1637	Kai Ze Ee† (Engineering) Zach Anthony Barna† (Engineering) Seth Thomas McConkey† (Engineering|JMHC) Yash Singh† (Engineering) Daniel EnYi Yang† (Engineering) Cecilie Zhang† (Engineering)	Simulating Cardinal Cx01: An Area-Efficient, Compiler-Guided GPU Architecture
Chetput Venkataraghavan, Sooraj	1690	Yoshita Mahesh† (Engineering) Andy Hanjun Hu† (Engineering) Arina Harlanovich† (Engineering)	Optimizing GPU Throughput and Area with Sub-core Architecture
Chetput Venkataraghavan, Sooraj	1843	Syd Ghosh† (Engineering)	Accelerating 2D Triangle Rendering and Pixel Interpolation through Fixed-Function Hardware.
Chetput Venkataraghavan, Sooraj	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Chetput Venkataraghavan, Sooraj	7005	Rafael Monteiro Martins Pinheiro† (Engineering)	Custom Cycle-Accurate Simulation Framework for DNN Accelerator Performance Analysis
Chiu, Chengyu	1688	Ying-Wei Lin† (Engineering) Kevin Yu† (Engineering) Qiming Chai† (Engineering) Tim Jacques van Antwerpen† (Engineering)	Electroplating Optimization for TSV-Based Heterogeneous Integration
Chiu, Yu-Chin	1862	Maanas Krishna Karwa† (Science)	Subject-Generalizable Inhibitory Control Decoding using deep neural networks on scalp EEG
Chmielewski, Jean A	1018	Wyatt Tristan Carter† (Agriculture)	Metal-Ligand-Driven Epitaxial Peptide Growth
Choi, Yooseung	7034	Kai X Keller† (Engineering|JMHC) Jamie Chanadol Henson† (Engineering) Nhuan Boi Duong* (Engineering) Haoyu Zhang* (Engineering)	Deployment of Autonomous and Passive Micro-Morphing Aerial Vehicles (MMAVs)
Choi, Youn Jeong	1285	Shalem Lee† (Science)	Evaluation of Potential Desorption of Per- and Polyfluoroalkyl Substances from Compost Covers
Choi, Youn Jeong	1941	Kentaro Yamauchi† (Agriculture)	Measuring Surface Soil PFAS Levels in Northwestern Indiana
Christ, Sharon L	1638	celeste Enriquez† (HHS|JMHC)	A Psychometric Evaluation of the FAD General Functioning Subscale in Military-Connected Families
Christ, Sharon L	1831	Olivia Ann marie Dirr† (HHS|Liberal Arts)	Analyzing AUDIT's Internal Consistency in the Operation Military Experience Study
Chubykin, Alexander A	1431	Mia Anne Fehlinger† (Science)	Effects of Acute Ketamine Treatment on Learning-Dependent Neural Plasticity in FXS Mice Models
Chukwu, Rita Ogechi	1649	Vaibhavi Goyal† (HHS)	Understanding Treatment-Seeking Behaviors and the Role of Parent-Adolescent Communication Quality Among Adolescents with Substance Use Disorders

Name	Presentation	Students	Title
Chung, Wei-ting	7062	Kaylani Le'mae Tomlin† (Engineering)	Methods to control zeolite framework atom removal and insertion in varying environments within the MFI topology
Cifuentes, Laura Pulido	1567	Gaurangi Yadav† (Science|JMHC)	Traction Force Microscopy to Measure How Neuronal Growth Cones Interact with Substrates of Different Stiffness
Clapp, Anna R	1256	Novalee Reese Glass† (Agriculture)	Assessment of Colonic Estrogen Receptor Expression in the Activity-Based Anorexia Model
Clapp, Anna R	1607	Lillian M Andis† (Agriculture)	Influence of the Gut Microbiome on Ovarian Steroidogenesis and Reproductive Hormone Regulation
Clark, Alexandra Blair	1865	Justin Kim† (Engineering) Emerson Grace Zubb‡ (Engineering) Andrew Henderson Lum‡ (Engineering) Noah James Maskal‡ (Engineering) Samuel Zapata‡ (Engineering) Grayson Cade Briles* (Engineering|JMHC)	Transparent Additively Manufactured Parts for Improved Mechanical Properties
Clase, Kari L	1003	Sabina Akelbek† (Science) Farah Hazim Moha Shohatee† (Science|JMHC) Elyse Youngstedt† (Agriculture|Engineering) Mia Noreen Wilhite† (Agriculture|Engineering|JMHC)	Decoding the Phage Tail: Structural Differences Between Virulent and Temperate Bacteriophages
Clase, Kari L	1027	Erica Paige Conley† (Agriculture|Engineering|JMHC) Madison Lih-Rong Hou† (DSB) Noah Daniel Brooks† (Agriculture|Engineering|JMHC)	An Evaluation of PhaBOX for Predicting Bacteriophage Lifestyle and Gene Function
Clase, Kari L	1029	Elizabeth Nan Zi Darland† (Agriculture|Engineering) Olivia Lucille Kimmick† (Science) Janelle Mei Macler† (Science) Divya Vishal Wadhwa† (Engineering)	Comparative Pattern Analysis of Hypothetical Proteins Across Clustered Phages
Clase, Kari L	1069	Sreesha Vedavalli Kidambi† (Agriculture|Engineering) Alyssa Brianna Sutherlin† (Agriculture|Engineering|JMHC) Jason England Thiagarajan† (Agriculture|Engineering) Evan Michael Trent† (Agriculture)	Identifying Oligomers with Defined Functions in Phage Genomics
Clase, Kari L	1316	Katherine Alfreda Poirier† (Agriculture|Engineering|JMHC) Dagan James Knight† (Engineering|JMHC) Jehereli Abisai Scheker-Garcia† (Agriculture|Engineering) Lucy Jean Fanning† (Agriculture|Engineering)	Using existing predictive protein structure software and neural network models to identify protein functions of hypothetical proteins
Clase, Kari L	1322	Eva E Refeld† (Agriculture|Engineering) Perry William Reel† (Agriculture|Engineering|Liberal Arts) Sein Kim† (Science)	Reporting Results on the Validity of Current Technology on the Characterization of Phage AirForce1 Orphams
Clase, Kari L	1331	Carolyn Elizabeth Sams† (Agriculture|Engineering) Lana Malek† (Agriculture|Engineering) MiKayla Hennigh† (Science|JMHC) Francesca Werner‡ (Science)	Advancing Predictive Phage Therapy Through Machine Learning–Driven Functional, Geographic, and Structural Analysis
Clase, Kari L	1432	Emma Foster† (Agriculture|Engineering|Pharmacy|JMHC) Jose Luis Melendez† (Agriculture|Engineering)	Hypothetical Proteins and ORPhams at Bacteriophage Genome Ends

Name	Presentation	Students	Title
Clase, Kari L	1486	Carlie Ann Lukowiak† (Agriculture|Engineering) Bailey Elizabeth Freese† (Agriculture|Engineering) Natalie George Khazal† (Agriculture|Engineering|JMHC) Annalise Irene Coyne† (Agriculture|Engineering|JMHC)	Analyzing Transmembrane Potential in Hypothetical Proteins: A Case Study
Clase, Kari L	1652	Kathryn Suzanne Gribben† (Agriculture|Engineering) Natalia Brynn Gaffney† (Agriculture|Engineering) Nadia Helen Whalen† (Agriculture|Engineering) Phoebe G Smock† (Agriculture|Engineering)	Investigation into Bacteriophage Circular Genomes
Clase, Kari L	1912	Adriana K Sanchez† (Agriculture|Engineering) Gabriel Adam Murray† (Agriculture|Engineering) Muskan Chirania† (Science) Olivia Madison Krzyzanowski† (Agriculture|Engineering)	Hypothetical Protein Categorization Through Integrated Sequence Annotation and Tertiary Structural Modeling
Clase, Kari L	4001	Bumkyu Kim† (Agriculture|Engineering) Layla Elizabeth Doreski† (Agriculture|Engineering) Tina Atmani† (Agriculture|Engineering) Elliana Rose Lemberis† (Agriculture|Engineering)	Evaluating Unofficial HHpred Function Calls in SEA-PHAGES Genome Annotations
Clase, Kari L	7021	Olivia B Williams† (Science) Claire Henley Shurling† (Agriculture|Engineering)	A Genetic Analysis of Microbacterium Smegmatis Cluster K Bacteriophages for Tuberculosis Infection Treatment
Clase, Kari L	7028	Emily Joy Reeves† (Agriculture) Samuel Pelfrey† (Agriculture|Engineering) Timothy Michael Raplee† (Agriculture)	Evaluation of SeqHub for Accurate Predictions of Novel Phage Genome Functions
Cloft, Sara Elizabeth	7115	Anna Rachelle Hardesty† (Agriculture)	The Effects of Freezing on Egg Quality
Cmarik, Emily Alexia	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Coda, Elena	8011	Nikki Renae Lewis† (Liberal Arts)	Beyond One Story: How Multiculturalism Shapes Today's YA Books
Cole, John H	1263	Grace M Heaney† (DSB) Drew Raymond Hawley† (Science)	VIP EdTechDev: Teaching Assistant Webapp Question Queue
Cole, Michael J	3013	Adam Robert Smith† (Polytechnic|JMHC)	Cryptic Concoctions
Collier, Jessica Renee	1510	Vahin Pichairaj† (Engineering) Marcia Febriana Kusumah† (DSB|Science) Yashita Rama Pujari‡ (PWL)	How Comment Sections Influence Perceived Credibility of Short-Form Videos
Colon, Bryce David	1048	Armitha M Gade† (Liberal Arts|Science|JMHC)	Role of NGLY1 on Parkinson's disease pathology
Connaughton, Stacey L	7105	Noelle Elizabeth White† (Liberal Arts)	The Artemis Accords and the Use of Soft Power in Space Governance
Cooks, Robert Graham	7045	Emma Susan Oxtoby† (Engineering|JMHC) Virginia Alessia Graziosi‡ (Agriculture|JMHC)	Cracking the Carb Code: Ambient Mass Spectrometry for Structural Carbohydrate Elucidation.
Cooks, Robert Graham	7141	Virginia Alessia Graziosi† (Agriculture|JMHC) Emma Susan Oxtoby‡ (Engineering|JMHC)	The Sweet Spot for Life: Plausible Early Earth Conditions for Carbohydrate Polymerization in Sea Spray Microdroplets and Evaporative Hydrothermal Pools
Coon, MacKenzie Rachelle	7015	Anna Polkowski† (Science|JMHC)	Interdependence of Geometric and Dosimetric Parameters in Spatially Fractionated Radiation Therapy
Cooper, Austin Rory	1903	Abigail Elizabeth Preston† (Engineering)	A Permanent Solution for Civilian Nuclear Waste: Lessons from Finland's Onkalo Site for the United States and Abroad
Cooper, Harold Kory	1010	Makayla Grace Bell† (HHS|Liberal Arts|JMHC) Phoebe Beheler* (Liberal Arts) Maxwell Cooper Splaine* (Libraries)	The Cataloguing and Preservation of Fort Ouiatenon Artifacts

Name	Presentation	Students	Title
Cooper, Harold Kory	1544	Kyah Elizabeth Sturm† (Liberal Arts)	PXRF Analysis of 18th Century French Costume Jewelry
Cooper, Harold Kory	1648	Colton Gomoll† (Engineering)	GIS for Excavation and Preservation of Ouiatenon Preserve
Cordeiro Moreira, Davi	1500	Allison Margaret Neff† (DSB) Byron Qi† (Science) mayank Agarwal† (Engineering) Parth Kapila† (Polytechnic) Rhea Rajendra‡ (Science)	From Manual to Agentic AI: Redesigning Workflows with Predictive AI and Automation
Cordoba Renteria, Sandra Patricia	1633	Jonathan D DeSimone† (Engineering) Andrew Thomas Casparius† (Engineering) Sujay Ketan Shah† (Engineering|JMHC) David Edward Jakel† (Engineering) Bhavjot Singh Grover‡ (Engineering) Manas Umangkumar Doshi‡ (Engineering) Rian L Healy‡ (Engineering|JMHC) Muhammad Rifqi Priatama Sambodo‡ (Engineering) Khaleel Ibrahim Hassan‡ (Engineering) Abdullah Alkazemi‡ (Engineering)	Modular Powered Louver System for Hydropower Retrofit at Non-Powered Dams
Correia, Ella Grace	1888	Nandika Sumesh Nambiar† (Engineering) Donna Jaison† (Engineering) Tanya Vijay† (Engineering) Bahar Xuan Aghili† (Engineering) Ya-Ting Wu† (Engineering) Sahasra Anjana Pillalamarri† (Engineering)	Fan Guard Optimization Studies
Cottingham, Kendall	1236	Louis Michael Delaby† (Agriculture|JMHC)	Investigating the Role of Rm62 Helicase in R-loop Homeostasis, Gene Expression, and Neurodegeneration During Aging
Couetil, Laurent L	1111	Dana J Radentz† (Agriculture)	Effect of Omega-3 Polyunsaturated Fatty Acid Supplementation in Asthmatic Barrel Racing Horses
Couetil, Laurent L	1802	Yasmine Iyas Sheik Amarneh† (Agriculture)	Seasonal changes in airway inflammation, dust exposure, and plasma lipids in healthy horses
Coumar, Sai Charan	1925	Andrew Joseph Thompson† (Science) Armaan Arshad Sayyad† (Science) Joseph Zou† (Science) Pranay Goel† (Science) Sumant Anantha† (Science) Zachary Thomas Nena† (Science) Pranav Sanghi† (Science) Rahal Themiya Ranasinghe Ranasinghe Mudiyanselage† (Science)	Opening the Black Box: A Transparent Diffusion-Based Planner for Autonomous Driving
Craig, Bruce A	1413	Gaia Rose Cannoot† (Liberal Arts|Science) Julia Rose Phelan* (Liberal Arts|Science)	A population-specific statistical method for biological sex estimation of isolated crania at an ancient Nubian site
Crimmins, Shawn	3000	Rebeca Joyce Appelmann† (Agriculture) Kylee Ann Thorson* (Agriculture) George D Emerson* (Agriculture|JMHC) Laila Alexandra Klang* (Agriculture)	Evaluating the efficacy of chicken manure as a wildlife lure
Cross, Tzu-Wen L.	1256	Novalee Reese Glass† (Agriculture)	Assessment of Colonic Estrogen Receptor Expression in the Activity-Based Anorexia Model
Cross, Tzu-Wen L.	1340	Eleanore Beth Skwiat† (Science)	Effects of Gut Microbial Metabolites on Adiposity and Inflammatory Gene Expression in Male Mice
Cross, Tzu-Wen L.	1607	Lillian M Andis† (Agriculture)	Influence of the Gut Microbiome on Ovarian Steroidogenesis and Reproductive Hormone Regulation

Name	Presentation	Students	Title
Crosson, Jesse M.	1231	Isabella Marie Crespo† (Agriculture|Liberal Arts|JMHC)	Improving efficiency or introducing inaccuracy: LLM coding of private actors' positions on Congressional legislation
Crucini, Mario J	7077	Christian Domingo Lo† (DSB)	An Evaluation of Interwar Tariff Pass-through: Heterogeneity and Retail Prices in the Smoot-Hawley Tariff Era
Csonka, Leslie	1749	Ruoqin Rachel Yang† (Science) Olivia Nicole Safranek‡ (Science)	Characterization of temperature-sensitive mutants within the histidine biosynthesis pathway in Salmonella typhimurium
Cunningham, William Rowan	1212	Pranav Bantval† (Engineering) Jia-He Zhou† (Engineering) Advay Welling† (Engineering) Raghuv Potdar† (Engineering) Aadi Aniruddha Rave† (Engineering|Science)	Compiler for Computer Graphics Workloads with Software-Handled Hazards
Cunningham, William Rowan	1272	Aman Katyal† (Engineering) Nicholas Zhang† (Engineering) Ahmad Saleem Timbo† (Engineering)	USB Host Controller for Custom SoC
Cunningham, William Rowan	1294	Aidan Michael McDonough† (Engineering) Erhao Chen† (Engineering)	Analysis of the Cardinal gpGPU via Benchmarking with the Nest Custom Graphics Pipeline
Cunningham, William Rowan	1621	Aditya Chandra† (Engineering) Daniel Paul Wunderlich† (Engineering) Thet Naing Soe† (Engineering|Science) Jack Spenser Zimmerman† (Engineering)	Design and Implementation of a Multi-Channel DMA Controller
Cunningham, William Rowan	1721	Katelyn Krishan Shah† (Engineering) Randolph Nathan Ha† (Engineering|JMHC) Aniketh Bhaskar Bandi† (Engineering|JMHC) John Edward Mangas† (Engineering|JMHC) Yun-Hsuan Chiu† (Engineering)	RVB Insight: An AFTx07 Profiling Library
Cunningham, William Rowan	1864	Amber Kuoiwa Khauv† (Science) Yun-Kai Chen† (Science) Eileen Koh† (Science)	Operating System Development for Bare-Metal CPU
Cunningham, William Rowan	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Currim, Fatema Mustafa	1424	Matthew Thomas Corson† (HHS|JMHC)	Impact of neuromelanin formation on modeling Parkinson's Disease in rats and its implications in Parkinson's disease neurobiology
Cutler, Sybil Adrienne	1638	celeste Enriquez† (HHS|JMHC)	A Psychometric Evaluation of the FAD General Functioning Subscale in Military-Connected Families
Cutler, Sybil Adrienne	1831	Olivia Ann marie Dirr† (HHS|Liberal Arts)	Analyzing AUDIT's Internal Consistency in the Operation Military Experience Study
Cziczo, Daniel James	3212	William Enrique Schenk† (Science) Regan Shay Newby* (Polytechnic|Science)	Methanol Degradation of Tubing in Laboratory Experiments
da Cunha, Fernanda Marisa	1261	Leticia Lie Hashimoto† (Agriculture|Engineering)	Lipids production via yeast fermentation of liquefied soybean hulls
Dadi, Jaideep	1235	Navya Harini Datla† (Engineering) Michael Lee† (Engineering) Joshua David Klug† (Engineering) Jash Snehal Pola† (Engineering)	VLIW Scheduler Core Design for AI Hardware Accelerator Chip
Dai, Ran	7034	Kai X Keller† (Engineering|JMHC) Jamie Chanadol Henson† (Engineering) Nhuan Boi Duong* (Engineering) Haoyu Zhang* (Engineering)	Deployment of Autonomous and Passive Micro-Morphing Aerial Vehicles (MMAVs)

Name	Presentation	Students	Title
Dalheimer, Bernhard	1704	Litong Pan† (Agriculture)	The Economics of Honeybee Sustainability in the United States
Das, Chittaranjan	1305	Isabel M Owens† (Science|JMHC)	Investigating the role of Legionella pneumophila effector Ceg14 residues in ATP hydrolysis
Das, Sourav	1911	Sai Aiswarya Sadagopan† (Science) Rishika Ramakrishnan† (Science) Arunasalam Subbiah† (Science) Jonas Villabroza† (Engineering) Gabriel Calinescu† (Science)	Deep Learning for Enhanced Analysis of Depot Formation and Diffusion in Auto-Injector Devices
Davis, James C	1463	Gunvanth Reddy Kandula† (Science|JMHC) Hyeonwoo Heo† (Engineering) Milo Li Reed† (Engineering) Soham Rattan† (Engineering) Adrian Pathupally Mathew† (Science)	Hardware Aware Pre-Trained Model Selection
Davis, James C	3105	Joshua Peter LeBlanc† (Engineering) Ian Mitchell Yao† (Engineering)	FailBot - LLM-based SFMEA Generation
Davis, James C	7032	Arjun Sandeep Gupte† (Engineering) Ahmed Tarek Ibra Elmersawy† (Engineering) Andre Lee† (Science) Sanjay Sriram† (Engineering) Stefan Teodor Maxim† (Engineering)	SysLLMatic: Large Language Models are Software System Optimizers
Davis, James C	7088	Rishi Mantri† (Engineering) Devesh Maheshwari† (Engineering|Science) Ayush Bansal† (Science) Aanya Mittal† (Engineering) Alan H Hsi‡ (Science)	EmbedBench - Benchmarking Large Language Models for Embedded Software Engineering Tasks
Davis, James C	7150	Aditya Gandhi† (Science) Jiale Yu† (Science) Omar Ahmed Elsayed Attia† (Engineering) Rohan S Potta† (Science) Lavangi X Yadava† (Science)	Optimizing AI Agent Execution: A Cost, Latency, and Failure Aware Agent Runtime
Davison, Kelsey Elizabeth	1221	Katrina Ann Burras† (HHS) Samaira Lynn Lee† (HHS)	How does early bilingual language exposure influence children's emerging English morphological awareness?
de Souza Barbosa, Pedro Henrique	1844	Shashwat Goel† (Science)	Facile Interfacial Engineering of Laser-Induced Graphene for Durable and Stretchable Cardiovascular Monitoring Devices
de Souza Barbosa, Pedro Henrique	1857	Mrigas Ajay Iyer† (Science)	AWARE: Affordable wearable self-powered smart pressure sensors for workplace injury prevention
de Souza Barbosa, Pedro Henrique	1894	Elena Paias Ferreira† (Engineering)	Integration of Laser-Induced Graphene into Soft Wearables via Bioinspired Interfacial and Geometry-Driven Engineering for Skin-Interfaced Sensors
de Souza Barbosa, Pedro Henrique	7069	Margaret H Prokopy† (Engineering|JMHC)	From Multilayer Stacks to One Film: A Monolithic Skin-Like Platform for Adhesive, Microfluidic, and Electrochemical Sweat Sensing
DeFrench, Melissa Kay	1258	Harry Lucas Groves† (DSB|JMHC)	The Opportunity Cost of Affordability: Resale Restrictions in High-Growth vs. Low-Growth Markets
DeFrench, Melissa Kay	7139	Anne Chihiro Mazza† (Science|JMHC)	Mental Health Emergencies: Making Help-Seeking as Immediate as Calling 911

Name	Presentation	Students	Title
DeHaven, Mattie Tate	1443	Anna Lynn Heck† (Agriculture|JMHC)	Brushing Away Uncertainty: Patterns of Brush Use as a Novel Indicator for Early Disease Detection in Dairy Calves
Deka, Rajdeep	1210	Leticia Bagodi Missura† (Engineering) Jayesh Ratnakar Patil† (Engineering)	Investigation of Curing Kinetics of Epoxidized RCF Lignin
Delgado, Michael S	7056	Jin Guo† (Agriculture) ZiYi Wang† (Agriculture)	Surface Water Nutrient Concentrations and County-Level Cancer Rates: Evidence from Indiana
Delph, Jonathan Robert	1617	Avery Bean Brooks† (Science|JMHC)	Shallow Shear-Wave Velocity Structure of the Cascadia Forearc Basin
Delvasto, Pedro	1525	Maria Alejandra Saavedra Mogotocoro† (PWL) Juan Pablo Marín Jaimes† (Universidad Industrial de Santander)	Recovery of Cathodic Material from Spent Lithium-Ion Batteries Using Organic Acids
Deng, Qing	7114	Sophia Teng† (HHS|JMHC)	Genetic Modulation of Angiotensin-Induced Cardiac Hypertrophy in a Zebrafish Model
Deolia, Akshay	1849	Annelie Kate Gustafsson† (Engineering) Kaitlyn Elizabeth Calland† (Engineering|JMHC) David Edward Jakel† (Engineering)	Vibrational Analysis of CubeSats
Desai, Aparna	7082	Haven Marie Bader† (Science) Abigail Catherine Burris† (Science)	Promoter Replacement Enhances Recombination and Hybrid Viability in Diverged Saccharomyces Species
Dick, Jeffrey Edward	1040	Samuele Patrick Fagone† (Science)	Oxygen reduction reaction gives insight into molecularly imprinted polymer (MIP) electrochemical PFAS sensor pH microenvironments
Dick, Jeffrey Edward	1414	Daniel Michael Carrel† (Science)	Electrochemical Output Elucidates Sub-Diffraction Limit Bubble Activity in Aqueous and Organic Phases
Dick, Jeffrey Edward	1429	Cody Douglas Dickin† (Science|JMHC)	Spontaneous Electrochemiluminescence Triggered by Simple Contact at Metal–Solution Interface
Dick, Jeffrey Edward	1518	Emily Lucille Richardson† (Engineering|JMHC)	Evaluating Additive-Formed SEI for Improved Zinc Deposition in Aqueous Zinc Batteries
Dick, Jeffrey Edward	1829	Ali Jo Crouse† (Science)	Using Molecularly Imprinted Polymer-Electrochemical Sensors (MIP-ES) To Track PFAS Over Time
Dick, Jeffrey Edward	3209	Hadley June Rumbach† (Science) Netra Ashish Shah‡ (Science)	Toward Electrochemiluminescence Microscopy for in vivo Bioanalysis: The Effect of Co-Reactant Compounds on Cellular Health
Dickinson, Danielle	1328	Francisco Alejandro Ruiz† (Science) Chawin Mingsuwan† (Polytechnic) Jason Timothy Emsley† (Science) Honghai Gong† (Polytechnic)	Enhancing Supernova Inference with Citizen Science Photometry
Dickinson, Danielle	1842	Jay Philip Gannam† (Science) Jing E Gan† (Polytechnic)	Improving REDBACK Inference of Supernova Physical Properties with ZTF and Citizen Scientist Photometry
Dickinson, Danielle	3014	Madeline G Taylor† (Science)	Rapid Infrared Variability in Supernova Remnant Cassiopeia A Revealed by JWST
Diedrick, Alana	7154	Ayush Bansal† (HHS) Carla Hernandez* (HHS)	Cutting Costs and Boosting Engagement: A Scalable Model for Student Co-Creation in Large STEM Courses

Name	Presentation	Students	Title
Dierolf, Benjamin Kieth	1129	Thien-Phat Hoang Trinh† (HHS)	Unregulated Alternative Cannabinoid Vaping Products Cause Significant Pulmonary Toxicity and Immune Dysfunction Against Respiratory Pathogens
Dierolf, Benjamin Kieth	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Dierolf, Benjamin Kieth	1837	Joshua Furst† (HHS)	Endotoxin Tolerance Induced by ENDS Exposure in Bronchial Epithelial Cells
Dierolf, Benjamin Kieth	7144	Anvi Bhatnagar† (HHS)	Synergistic Toxicity of E-Cigarette Flavoring Aldehydes and Nicotine in Lung Epithelial Cells
Dietrich, Bryce Jensen	8001	Simone Hana Fuller† (Liberal Arts) Barakah I Abdo-baari† (Liberal Arts) Mohana Milind Barve† (Liberal Arts|Science) Omar Musayev† (Science) Ashley E Broadstreet* (Liberal Arts) Shaurya Jindal* (Engineering|Liberal Arts)	Understanding What Constitutes Rhetorical Effectiveness on Capitol Hill
Dilger, C Bradley	7103	Josephine Anna Gerlach† (Liberal Arts|JMHC)	The Big 10 and Social Media
Ding, Ziwei	1496	Ananya Molugu† (Engineering) Patrick Ding† (Science) Ovi Bhagwat† (Polytechnic)	Identifying Rerightening Events in the ANTARES Transient Dataset Using Light Curve Analysis
Ding, Ziwei	1716	Dewang Sahay† (Engineering) Kabir Jain† (Science)	Identifying Precursor Activity in Type 2 Supernovae from All Sky Survey Data
Domingues, Joshua Lucas Amaral	1757	Erik Kocinare† (Engineering)	SCALE: Heterogeneous Integration of sMTJ for Probabilistic Bits
Donabedian, Alexander Abel	1731	Jasmine Maria Steffen† (Engineering)	Longitudinal MRI T2 Mapping of Articular Cartilage in Relation to Osteoarthritis Progression
Dong, Qi	3004	Sungsu Jeon† (Engineering)	Non-Equilibrium Pulsed Electrodeposition for Sustainable Cobalt-Nickel Separation
Dong, Ziyu	1350	Maitreyee Panini Telang† (Science)	Analysis of hox13 Expression in pax1a Mutant Zebrafish During Early Fin Development
Dooley, Jimmy	1230	Alyssa Yates Collins† (Liberal Arts|Science|JMHC)	Tiny Twitches, Lasting Circuits: The Dreams That Build the Brain
Dooley, Jimmy	7038	Megan Nicole Broecker† (Agriculture|JMHC)	Predicting Date of Birth in Long-Evans Rats
Dossin, Catherine	1281	Sarah Teresa Krick† (Liberal Arts|JMHC)	Total Fusion of the Arts: Valentine de Saint-Point and the Limits of Art History
Doudareva, Natalia	1248	Anna Alden Fisher† (Agriculture|Liberal Arts|JMHC)	Uptake and translocation of VOCs from leaf to root in tomato seedlings
Douglas, Kerrie A	1867	Eileen Koh† (Science)	Assessing Individual Competencies After Group Project Based Learning
Du, Shengwang	7085	Ian William Jack† (Engineering|JMHC)	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Duan, Tianle	7066	Khoi Xuan Mai† (Science)	Private Electric Vehicle Charger Adoption and Its Effects on Local Mobility and Fuel Use
Duarte Quiros, Juan	1478	Mason Patrick Julius Levere† (Science)	Quantum Correlation in Top Quark Events from Run 3 at the LHC

Name	Presentation	Students	Title
Duerstock, Bradley S	1200	Aqib Muhammad Abdullah† (Engineering|JMHC)	Designing, Prototyping, and Machining of Pen Holder For Button-Pressing and Small Object Manipulation
Duerstock, Bradley S	1452	Anna Leigh Huston† (HHS)	Barriers to Manufacturing Employment for Veterans with Traumatic Brain Injury: Employee and Employer Perspectives
Duerstock, Bradley S	1732	Korphiena Kimona Stephen† (Engineering) Muneera Shoaib Rasheed† (Engineering)	ADAPT-R: Adaptive Donning and Attachment Platform Technology for RoboGripper
Dunlop, Steven R	1436	Eann M Gatuna† (DSB) Micah A Macias† (DSB)	Quantifying Algorithmic Bias and Proxy Discrimination in AI-Driven Resume Screening
Dunlop, Steven R	1668	Yuexin Jiang† (Engineering) Kean Tian† (Engineering) Yu-Hsien Liu† (Engineering|Science) Wey Ee Lau† (Engineering) Marcus Macapodi Douge‡ (Engineering) Arnav Vikrant Bawankule‡ (Science)	Virtual Purdue Campus Tour: A VR Experience from PMU to the Chemistry Building
Dunlop, Steven R	1826	Tate James Compton† (DSB|JMHC) Swetha Hariram Maneri† (DSB) Lauren Jean Dumaresq† (DSB|JMHC)	Evaluating the Feasibility of 3D Concrete Printing for Affordable and Sustainable Housing
Dunlop, Steven R	4005	Jackson Scott Patton† (DSB)	Raybestos Employee Retention
Dunlop, Steven R	9022	Payton Rylee Gautreau† (DSB)	Factors Influencing Academic Motivation Among Undergraduate Students
Dunlop, Steven R	9045	Jose Javier Mombiela† (DSB)	Purdue VIP EmpRet
Dunlop, Steven R	9055	Jameson Edward Smith† (DSB)	VIP EVGOKART
Duraisamy Thilagavathi, Sakthi Harish	9014	Akshada Dake† (DSB) Maxim Sergey Kolbunov† (Engineering) Sreisti Chowdhury† (Engineering) Bryan Puitim Yuen‡ (Engineering) Andrew Kwak‡ (DSB) Joshua Abraham Upputuri‡ (Engineering) Kevin Hong‡ (Engineering) Ashwath Mahesh Menon‡ (Engineering|JMHC) Benjamin Viet Dang‡ (Engineering) Davyd Postolaki‡ (Engineering) Kiet Tuan Tran‡ (Engineering|Science) Micah Joseph Baughman‡ (Engineering) Calvin Dang‡ (DSB) Brooke Ann Wertanen‡ (DSB) Liam Alexander Christopher‡ (Engineering)	Energy Harvesting Strategies to Extend Battery Life in Allegion Electronic Locking Systems
Duraku, Genci	9029	Arnav Juneja† (Engineering) Rishi Madipalli† (Engineering) Richard Liao† (Engineering) Aarush Agarwal† (Engineering|JMHC)	Pong FPGA Recreation
Dydak, Ulrike	1064	Daniela C Islas† (HHS|Liberal Arts|JMHC)	Age and Sex Differences in Brain Metabolism and Motor Function
Dydak, Ulrike	1324	Hunter Thomas Ridgley† (PWL)	Short-term vs. Lifetime Welding Fume Metal Exposure: A Bayesian Network Analysis of Neurobehavioral Effects
Dydak, Ulrike	1800	Lissette Mariel Aguiar† (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC) Ashley Nicole Mitchell* (HHS)	From Exposure to Emotion in Welders: Does Metabolism in the Anterior Cingulate Cortex Play a Role?
Dydak, Ulrike	1885	Ashley Nicole Mitchell† (HHS) Lissette Mariel Aguiar* (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC)	Quantitative MRI Indicators of Brain Manganese and Iron

Name	Presentation	Students	Title
Dyehouse, Melissa A	1477	Stephanie Leon† (Engineering|JMHC)	How Simulation Interface Design Influences Student Cognition and Exploration in Semiconductor Education
Easley, Dylan Cole	1237	Toben DeLaney† (HHS)	Serum Lipid Mediators and Metabolites Are Associated with Tendon Structural and Mechanical Properties in Type 2 Diabetes
Eason, Sarah	1201	Avery Elizabeth Abfall† (HHS|JMHC)	Food Talk Between Parents and Children Within a Food-Play Task
Eason, Sarah	1276	Sanah Kochhar† (HHS|JMHC) Yue Ying† (HHS)	Examining Gender Differences in Early Math: Parental Evaluations of Boys' and Girls
Edwards, Elizabeth Mae Frazier	1537	Farah Hazim Moha Shohatee† (Science|JMHC)	Combined pro/anti-saccade and coherent motion perception tasks for sensitive mTBI prognosis
Edwards, Elizabeth Mae Frazier	8008	Alaila Mariah Jones† (HHS|Science) Prasiddhi Shivakumaran† (HHS|Liberal Arts)	An effect of recall on word recognition: assessing the interaction of anxiety induction and word valence
Edwards, Myles Quinn	7045	Emma Susan Oxtoby† (Engineering|JMHC) Virginia Alessia Graziosi‡ (Agriculture|JMHC)	Cracking the Carb Code: Ambient Mass Spectrometry for Structural Carbohydrate Elucidation.
Edwards, Myles Quinn	7141	Virginia Alessia Graziosi† (Agriculture|JMHC) Emma Susan Oxtoby‡ (Engineering|JMHC)	The Sweet Spot for Life: Plausible Early Earth Conditions for Carbohydrate Polymerization in Sea Spray Microdroplets and Evaporative Hydrothermal Pools
Egan, Marisa Ann	1570	Yuan Heidi Yue† (HHS|Science|JMHC)	Cerebrospinal Fluid Affects Nanoparticle Aggregation, Binding, and Transport in Collagen-Based Matrices
Eicher-Miller, Heather A	1609	Emma Araya† (HHS)	Food insecurity is associated with iron deficiency in US non-pregnant adult women
Elenbaas, Laura	1142	Natalie Rae Williams† (HHS|Liberal Arts)	The Relationship Between Children's Participation in Household Chores and Fairness Development
Elenbaas, Laura	1464	Michelle Kane† (HHS)	"Inclusion Reflects Emotional Safety from direct contact, Not Just Social Attitude"
Elenbaas, Laura	1893	Hannah Marie Oyer† (HHS|JMHC)	Perceived Friendliness as a Pathway to Inclusion: Children's Face-to-Face Interactions with Individuals with Disabilities and Inclusive Behavior
Elkin, Samuel Theodore	1056	Ramiro Guntin Rodriguez† (DSB|Engineering) Vedant Agarwal† (Engineering) Yousuf Ahmad Al-Jared† (Engineering) Jack Thomas Willard† (Engineering|JMHC) Pranav Boyapati† (Engineering) Gechun Guo† (Science) Ameya Chaturvedi† (Engineering) Jaco Xia† (Engineering)	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers
Elkin, Samuel Theodore	1227	Yuha Choi† (Engineering) Vikram Ganesh Kumar† (Engineering) Tanvi Chukka† (Engineering)	Optimization of Superconducting Qubit Control and Readout Pulses with Maxwell-Schrödinger Methods
Elliott, Andrew Berton	1564	Caleb Anthony Weigel† (Agriculture) Savannah Gunderson* (Agriculture)	Kampen Golf Course Ecological Restoration
Etu, Maisha Farjana	7100	Matheus H Ponte† (Engineering) Alex G Rodriguez-Gonzalez* (Engineering|Science|JMHC)	Simulating New Materials for Photonic Interconnects using the Beam Propagation Method (BPM).

Name	Presentation	Students	Title
Evans, Janice Perry	1918	Kamakshi Shandilya† (Science)	"OPTIMIZATION OF CALRETICULIN IMMUNOSTAINING TO STUDY NEXILIN FUNCTION IN MOUSE OOCYTES."
Fang, Shaohua	8007	Paige Katherine Doyle† (Liberal Arts|Science) Olivia Faith Sumner† (HHS|Liberal Arts)	Getting the Decision Right: Optimizing Truth-Value Judgment Tasks in L2 Research
Fawley, Jacob Ryan	1928	Elysia Marlena Uggen† (Agriculture|JMHC)	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Fennell, Hayden William	7134	Aaryan Shandilya† (Engineering)	Validation Testing of EMBRIO Multiscale Modeling Code for Reproducible Biological Modeling Education
Ferdausi, Nourin	1134	Karthik Varigonda† (Science|JMHC)	Structural Analysis of the Novel Phage Protein FF83
Ferrer, Luke J	9026	Tyler Mathew Hein† (Engineering) Deepti Murali Rao† (Engineering) Parth Kalpesh Patel† (Engineering) Kruz Michael Schurz† (Science)	MP3 TinyTapeout Chip Design
Fewell, Andrew Owen	1600	Priya Adiga† (Engineering|JMHC) Emiliano Javier Gomez† (Engineering) Paul Shannon Slack† (Engineering|JMHC) Connor Bradley Frey† (Science)	OFDM Synchronization for Satellite Communications: From Software Simulation to FPGA Implementation
Fewell, Andrew Owen	1745	Ryan Wans† (Engineering|Science) Max Antonio Vallone† (Engineering) Alek Christian Taranov† (Engineering) Grant Dlugos Congdon† (Engineering|Liberal Arts|JMHC) Arthur Prudius‡ (Engineering) Priya Adiga‡ (Engineering|JMHC) Laura van Ritbergen‡ (Engineering) Elliott Elizabeth Bossett‡ (Engineering) Rohan R Iyer‡ (Engineering) Aaron Fernandes‡ (Engineering) Randolph Nathan Ha‡ (Engineering|JMHC) Arunav Lamba‡ (Engineering|JMHC) Gavin Anthony Payne‡ (Engineering|JMHC) Jack Thomas Willard* (Engineering|JMHC)	Low-Cost 24 GHz Phased Array FMCW Radar Front-End on Open-Source 130nm CMOS
Figueiredo, Marxa L	1004	Abigail Catherine Alexander† (Agriculture)	Regulation of bone remodeling through co-delivery of STING antagonist and phenamil nanocarriers.
Fiore, Carolyn	1341	Evan Smida† (United States Military Academy West Point)	Predicting Postprandial Glycemic Response Curve Properties Using Multivariate Methods
Fletcher, Lorellei Estella ro	9031	Tamanna Kokan† (Engineering) Anna Rose Pruden† (Science|JMHC) Aarushi Gupta* (HHS|Liberal Arts|JMHC) Ayomikun Akinkuehinmi* (HHS|JMHC)	Meeting the Needs of Families Involved in Afterschool Programs
Fortin, Jessica Sonia	1114	Hannah Irma Reyes Charles† (Agriculture|JMHC)	Pathological Effects of DMSO and Incubation Conditions on Wild-Type, Mutant, and N-Acetylated ?-Synuclein
Foss Conti de Freitas, Pedro	1247	Gabriel Figueiredo Barbosa† (Engineering)	Adaptive Surrogate Modeling for Rare Synchronization Event Discovery in Immune Digital Twins
Foster, Kenneth A	1704	Litong Pan† (Agriculture)	The Economics of Honeybee Sustainability in the United States
Fouts, Johanna	9048	Sherlyn Padilla† (Polytechnic)	Researching STEM writing assessment tools Abstract

Name	Presentation	Students	Title
Fraley, Greg S	1072	Alice Soyeon Kim† (Agriculture)	To stress or not to stress, a reevaluation of quail lines bred for stress responses
Fraley, Greg S	1298	Kaitlyn Jane Mossett† (Agriculture) Alice Soyeon Kim‡ (Agriculture)	Classical Quacks! The Effects of Auditory Enrichment on Pekin Duck Behavior
Fraley, Greg S	1423	Lauren Marie Conto† (Agriculture)	Too Hot to Hatch: Physiological Impacts of Heat Stress on Male Reproductive Function in Commercial Ducks
Fraley, Greg S	1513	Collette Elizabeth Plue† (Agriculture)	What the peck? Dopaminergic manipulation and feather pecking in Pekin ducks
Fraley, Greg S	1738	Lilly Cathleen Thomas† (Agriculture)	Analyzing the Effects of Transportation Stress on the Blood-Brain Barrier in Pekin Ducks
Francis, Alexander L	7092	Anabelle Min Yang† (HHS|JMHC) Padmaja Sachin Khairnar‡ (Engineering|JMHC)	Effects of Memory Load on Postural Sway
Francis, Elaine J	8009	Erin Rhyse O'Donnell† (Liberal Arts|JMHC) Samuel Isaiah Piper† (Agriculture|Liberal Arts|JMHC) Tara Wong† (Liberal Arts) Amy Kathleen Genz‡ (Liberal Arts|Science) Alejandro Sebastian Gonzalez‡ (Liberal Arts) Hannah Grace Barsoum‡ (HHS|Liberal Arts)	Effects of discourse-related factors on relative clause extraposition
Francis, Elaine J	8012	Alejandro Sebastian Gonzalez† (Liberal Arts) Hannah Grace Barsoum† (HHS|Liberal Arts) Amy Kathleen Genz† (Liberal Arts|Science) Tara Wong‡ (Liberal Arts) Samuel Isaiah Piper‡ (Agriculture|Liberal Arts|JMHC) Erin Rhyse O'Donnell‡ (Liberal Arts|JMHC)	The role of phrase length in relative clause extraposition
Francis, Elaine J	8016	Marley Grace Mack† (Liberal Arts) Alejandro Sebastian Gonzalez‡ (Liberal Arts) Amy Kathleen Genz‡ (Liberal Arts|Science) Tara Wong‡ (Liberal Arts) Hannah Grace Barsoum‡ (HHS|Liberal Arts) Samuel Isaiah Piper‡ (Agriculture|Liberal Arts|JMHC) Erin Rhyse O'Donnell‡ (Liberal Arts|JMHC)	Effects of verb type and prior context on the production of relative clause extraposition in English
Freeman, Jennifer L	7014	Saraf Jalil Bhuiya† (HHS|JMHC)	Developmental Lead Exposure Programming of Age- and Sex-Dependent Dysregulation of Glutamatergic Signaling in Aged Zebrafish
Freeman, Jennifer L	7016	Ashilyn Joseph† (HHS|JMHC)	Developmental Lead (Pb) Exposure Triggers Brain Oxidative Stress in the Brain of Male Adult F1 Zebrafish in a Multigenerational Assessment
Freeman, Jennifer L	7074	Agampreet Kaur† (HHS|JMHC)	Toxicity of Ultra Short Chain PFAS on Zebrafish As a Model for Human Health
Freer, Reed Joseph	1117	Sofi Zhang Schmitt† (Engineering) Abhi Theo Hakhu† (Engineering) Akul Goyal† (Engineering) Brian Wu† (Engineering)	Probabilistic Collision Mitigation for Low Earth Orbit Satellites
Freer, Reed Joseph	1146	Alexander Haitian Zhang† (Engineering) Alexander Lam Nguyen† (Engineering) John Michael Wyman† (Engineering) Mohamed Mahmoud Zaitoun† (Engineering) Siddhant Monish Tandale† (Engineering)	Comparative Analysis of NRHDG and NMPC Frameworks for Autonomous Drone Racing

Name	Presentation	Students	Title
Freer, Reed Joseph	1292	Suhani Mathur† (Engineering) Shaunabh Bose† (Engineering) Kareem AbdelHameed Hassan† (Engineering) Farah Moussa† (Engineering)	Adverse Weather Effects on Multi-Sensor Autonomous Driving
Freer, Reed Joseph	1556	Steven James Van Hulle† (Science) Joshua John Beigel† (DSB) Jacob Charles Long† (Engineering) Margulan Mukhametkarim† (Engineering) William David Bridgnell† (Engineering) Alexander Michael Gansler‡ (Engineering|JMHC) Alexander T Valdes‡ (Engineering) Andrew Joseph Shelley‡ (Polytechnic)	NSWC AIMM ICC Autonomous Boating Challenge
Freer, Reed Joseph	1673	Griffin Xander Kanzeg† (Engineering) Benjamin Tianming Sun† (Engineering) Marco Alexander Wilson† (Engineering) Suraj Ketan Patel† (DSB)	Human-Informed Real-Time Autonomous Control System for Go-Kart Navigation
Freer, Reed Joseph	1709	Paresh Pobbati† (Engineering) Andrew Ryan Davidson† (Science|JMHC) Kush Aklank Kodiya† (Science) Basant Sharma† (Science|JMHC)	Kalman Filter Based Sensor Integration For Go-kart localization
Freer, Reed Joseph	1744	Zhishan Wang† (Engineering) Kaijie Zhu† (Engineering) Kieran Venkat Desireddi† (Engineering) Zheng Qing† (Engineering) Jacob Junjie Zhang† (Engineering) Brian Sam Lee† (Engineering) Jacob Forrest† (Engineering)	Controller Design for Autonomous Racing Vehicle
Freer, Reed Joseph	1751	David Michael Yuhas† (Engineering) Ibrahim Shahid† (Engineering) Matthew Douglas Frago† (Engineering) Ethan Keid Chen† (Engineering) Pedro Andres De Jesus Velez† (Engineering)	Autonomous Go-Kart Training Algorithm Mechanical Sub-Team Spring 2026
Freer, Reed Joseph	1806	Yash Rajendra Ashtekar† (Engineering) Arin Kedar Swadi† (Engineering) Sehyeong Yeom† (Science) Aidan Kwan† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Real-Time Path Planning and Trajectory Optimization for Autonomous Motorsports
Freer, Reed Joseph	1827	Bea Alyannah Magsayo Cortes† (Engineering) Aryav Gogia† (Engineering) Aiden Tian† (Engineering) Akram Reda Mahmoud† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Autonomous Go-Kart: Perception and Simulation
Freer, Reed Joseph	1834	Aya Wael Mohammed Tawfik Elghayaty† (Engineering) Siddarth Balaji Calidas† (Engineering) Liam Thomas Yates† (Science) Aadya Rangole† (Science) Connor Benjamin Coladonato‡ (Engineering) Manasvi Meka‡ (Science|JMHC)	Extreme Conditions SLAM: A High-Speed Weather Resistant Simultaneous Localization and Mapping Implementation
Fretz, Caleb Frederick	7102	Lana Malek† (Agriculture|Engineering)	Sustained-Release Naloxone Nanoparticle Formulation for Fentanyl Overdose Prevention
Friedman, Elliot M	1092	Jazmin Eden Mule† (HHS)	Incident Neurological Conditions and Changes in Self-Rated Health in a National Sample
Friedman, Elliot M	1220	Avery Brown† (HHS|JMHC)	Stressors Across the Life Course and the Aging Brain
Friedman, Elliot M	7010	Mackenzie Dana Miller† (Science)	Positive relations with others reduces decline in episodic memory but not executive function in aging adults

Name	Presentation	Students	Title
Fundator, Rachel K	1308	Jayla Kennedy Parks† (Liberal Arts) Braxtyn Rose Cooper† (Agriculture|Liberal Arts) Audrey Marie Wray† (HHS) Ukiah Mikalah Johnson* (HHS|Liberal Arts) Joyce Claire Lau* (HHS) LauraLynn Montefrio Corrales* (HHS|Liberal Arts) Hazel Rose Carter* (HHS) Lillia Shr* (HHS|Liberal Arts) Tamanna Sahoo* (HHS)	SPIRaL: Climate Change Communication Among College Students
Fundator, Rachel K	1629	LauraLynn Montefrio Corrales† (HHS|Liberal Arts) Joyce Claire Lau† (HHS) Tamanna Sahoo† (HHS) Ukiah Mikalah Johnson* (HHS|Liberal Arts) Braxtyn Rose Cooper* (Agriculture|Liberal Arts) Hazel Rose Carter* (HHS) Lillia Shr* (HHS|Liberal Arts) Audrey Marie Wray* (HHS) Jayla Kennedy Parks* (Liberal Arts)	SPIRaL: Communicating using Climate Change information
Fundator, Rachel K	7050	Lillia Shr† (HHS|Liberal Arts) Hazel Rose Carter† (HHS) Ukiah Mikalah Johnson† (HHS|Liberal Arts) LauraLynn Montefrio Corrales* (HHS|Liberal Arts) Joyce Claire Lau* (HHS) Tamanna Sahoo* (HHS) Jayla Kennedy Parks* (Liberal Arts) Audrey Marie Wray* (HHS) Braxtyn Rose Cooper* (Agriculture|Liberal Arts)	SPIRaL: Challenges in Climate Change Communication among Purdue University Students
Furze, Morgan Emily	1205	Grace Louise Amburgey† (Science|JMHC) Emmeline Rose Seest‡ (Agriculture|JMHC) Grace Elizabeth Collins‡ (Agriculture) Renee Danielle Walmoth‡ (Agriculture)	The relationship between sugar accumulation and the timing of leaf senescence in two species of deciduous trees: An analysis of photosynthetic pigment degradation
Gabor, Caitlin	1723	Jabez Soongeui Shin† (Science) Stiwar Albeiro Catano Cardeno‡ (PWL)	Effect of artificial light at night and traffic noise on tadpole morphology and physiology
Gabrielov, Amina	9021	Andrea Gajic† (Polytechnic|JMHC)	Exile as a Creative Catalyst in Marina Tsvetaeva's Prague Period
Gallaway, Glynn Ellen	1326	Kaley Roe† (Engineering)	Evaluating Bone Material Properties Using Reference Point Indentation
Gallina, Nicholas Leo Frank	1446	Luke Wilson Heymann† (HHS) Sebastian Gao Meginnis‡ (HHS)	Therapeutic and Prophylactic Effects of Postbiotic Derived from a Next-Generation Probiotic in a Colitis Mouse Model
Gallina, Nicholas Leo Frank	1729	Benjamin Douglas Springer† (Science) Sebastian Gao Meginnis* (HHS)	Inhibitory Properties of a Novel Whey Protein Concentrate on Porcine Epidemic Diarrhea Virus (PEDV)
Garcia Bravo, Jose M	1262	Mackenzie Hathaway† (Engineering|JMHC)	Efficacy of Pulse Flow Reverse Osmosis (PFRO) System
Gardner, Stephanie M	1304	Kyndall Lauren Osborne† (Science)	The Influence of Biological Context on Student Claims and Evidence Use in Graph Interpretation
Gardner, Stephanie M	1625	Gabriella J Choi† (HHS|JMHC)	Belonging Across Borders: A Case Study of Cultural Identity in International STEM Graduate Training
Gardner, Stephanie M	1917	Netra Hemal Shah† (Science)	Interdisciplinarity Doesn't Just Happen: How Collaboration is built and sustained in a Biology Integration Institute
Garland, Elisabeth E	1469	Vincent Simon Knizka† (Pharmacy)	Advancements in Visualizing Phospholipase C Epsilon: A Fab Approach

Name	Presentation	Students	Title
Garner, Allen L	1353	Iris I Tsai† (Engineering) Leonard Dominic Buss‡ (Engineering|JMHC)	Cylindrical Space Charge Limited Current Density Under Pressure
Garner, Allen L	1618	Leonard Dominic Buss† (Engineering|JMHC) Iris I Tsai‡ (Engineering)	Space-Charge Limited Current Density in a Cylindrical Diode: PIC Validation and Assessment of Collision Frequency
Garretson, Braden Lee	1024	Erika Chiommino† (Science|JMHC) Alexandra Madison Chrostowski† (Engineering) Brian Jeffrey Young† (Science)	Nickel-56 Yields in Core-Collapse Supernovae and Implications for Their Progenitor Systems
Garrison, James L	1899	Sebastian Enrique Pirela† (Engineering|JMHC) Elena Anne Lehner† (Engineering|JMHC)	PocketQube Receiver for Earth Remote Sensing with Signals of Opportunity
Gaston, Christopher Drew	1618	Leonard Dominic Buss† (Engineering|JMHC) Iris I Tsai‡ (Engineering)	Space-Charge Limited Current Density in a Cylindrical Diode: PIC Validation and Assessment of Collision Frequency
George, Jessica Ann	1064	Daniela C Islas† (HHS|Liberal Arts|JMHC)	Age and Sex Differences in Brain Metabolism and Motor Function
George, Jessica Ann	1800	Lissette Mariel Aguiar† (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC) Ashley Nicole Mitchell* (HHS)	From Exposure to Emotion in Welders: Does Metabolism in the Anterior Cingulate Cortex Play a Role?
Georgopoulos, Emily Nicole	1625	Gabriella J Choi† (HHS|JMHC)	Belonging Across Borders: A Case Study of Cultural Identity in International STEM Graduate Training
Ghodsi, Zahra	1746	Andrew Seungwan Wee† (Science)	Integrating Differential Privacy and Certified Robustness into a Modular ML Defense Framework
Ghodsi, Zahra	1895	Aarav B Patel† (Science) Venkata Sri Saiveer Chelliboyina† (Science) Sohum Kashyap† (Science)	Evaluating Tradeoffs Between Robustness, Fairness, and Model Integrity Through Controlled Tool Perturbations
Ghodsi, Zahra	9037	Venkat Mamidi† (Science) Meiling Wang† (Engineering) Leonid Burlak† (Engineering) Andrew Seungwan Wee† (Science)	Privacy Protected Machine Learning
Gholampoor, Sayeh	1898	Julie Thu Anh Phung† (Engineering)	Recovered Pre-Gestational Acute Kidney Injury Preserves Gestational Vascular Function but Suggests Reduced Renal Reserve in Mice
Ghoshal, Pritam	1461	Aiden Thomas Jones† (Engineering|JMHC)	Embodying Intelligence in Mechanical Systems: Towards Reservoir Computing and Sequential Logic
Gibert, James M	1107	Nicholas Poplavskyy† (Engineering) Nicholas Luke Breitwieser† (Engineering) Larry Braden Reamer† (Engineering) William Jeffrey Maney† (Engineering)	Developing a Cost-Effective Smart Automatic Modal Hammer
Gibert, James M	1461	Aiden Thomas Jones† (Engineering|JMHC)	Embodying Intelligence in Mechanical Systems: Towards Reservoir Computing and Sequential Logic
Gibert, James M	1719	Amelia Betrond Schriver† (Engineering)	Effects of Wear Profiles on the Dynamic Performance of Steel Roller Coaster Track
Gibson, Brooke Mariel	1209	Pranshu Aryal† (DSB|JMHC) Dishita Ashok Bansal† (DSB|HHS)	Does reduced financial and transactional friction increase consumer spending more than product quality differences across retail environments?

Name	Presentation	Students	Title
Giolando, Patrick A	1042	Eesha Khalid Faruqi† (HHS) Elaine Marie Khoury† (Engineering)	4D Regional Strain Assessment in Patients with Hypoplastic Left Heart Syndrome Using Cardiac Magnetic Resonance Image Analysis
Girard, Tyler	1647	Paola Godina Salas† (DSB|Liberal Arts) Jessica Marie Bober† (Engineering) Thendral Kamal† (Engineering)	Who's Koala-fied to Design Export Controls? Export Control Reform, Business Lobbying, and the Securitization of Trade Politics in Australia and New Zealand
Gkritza, Konstantina	1530	Neelesh Sarathy† (Science)	The Influence of Policies in Battery Electric Vehicle Adoption – A Machine Learning Study
Glenn, Caden Max	1701	Cadance William Lucas Ormsby† (Science|JMHC) John Cheng Yu Chang‡ (Engineering) Gino Christian Daniels‡ (Science)	R&D Efforts toward a Carbon Fiber Wire Drift Chamber
Goergen, Craig J	1020	Ojas Chaturvedi† (Science|JMHC) Julia Kang‡ (Science) Julian Vuong‡ (Engineering) Justin Zhao‡ (Science) Suhani Yadav‡ (Science|JMHC) Yewon Choi‡ (Polytechnic)	Comparison of Loss Functions for Transformer-Based Automated Aortic Root Segmentation in Pediatric Marfan Syndrome
Goergen, Craig J	1042	Eesha Khalid Faruqi† (HHS) Elaine Marie Khoury† (Engineering)	4D Regional Strain Assessment in Patients with Hypoplastic Left Heart Syndrome Using Cardiac Magnetic Resonance Image Analysis
Goergen, Craig J	1046	Ava Joan Roisi Flynn† (Engineering|JMHC)	The effects of PHZ-induced hypertrophy on cardiac morphology and function in zebrafish
Goergen, Craig J	1559	Julian Vuong† (Engineering) Joshua Paik‡ (Science)	Interobserver Variability of GUI-Based Echocardiographic Measurements for Pediatric Marfan Syndrome
Goergen, Craig J	1626	Yewon Choi† (Polytechnic) Ojas Chaturvedi‡ (Science|JMHC) Julia Kang‡ (Science) Suhani Yadav‡ (Science|JMHC) Justin Zhao‡ (Science) Julian Vuong‡ (Engineering)	Automated Measurement of Aortic Root Diameters from Pediatric Echocardiographic Videos Using Foundation Models
Goldwasser, Dan	1234	Arnav Daryani† (Science) Irfan Firosh† (Science) Sparsh Sumani† (Science) Anish Poladi† (Science)	Developing and Benchmarking Graph-Conditioned Large Language Models
Goldwasser, Dan	1718	Shoeb Suhail Saquib† (Science)	Representation-Driven Emotion Classification in Conversational Text
Goldwasser, Dan	1822	Anya Chauhan† (Science) Aadit Kedia† (Science) Siddharth S Kashyap† (Science)	Multimodal Reasoning in the Wild: Assessing VLM Accuracy in Automated Ecological Monitoring
Golub, Alla A	1084	Ryan James Mahoney† (Engineering)	Evaluation of impacts of unsustainable e-waste disposal practices
Goppert, James Michael	1049	Karna M Gajjar† (Engineering) Mason A Vrshek† (Engineering) Rimon Rosen† (Engineering) Skylar Keeley McGuire† (Engineering) Bo Chen† (Engineering) Lillian Ji† (Engineering)	Optimal Revisions Regarding Aerodynamic Efficiency of a Parametrically Defined Fixed-Wing UAV
Goppert, James Michael	1222	Braden Thomas Callaway† (Engineering) Dominic Henry Mazurek† (Engineering)	Autopilot Integration and High-Fidelity Simulation for Lightweight Unmanned Fixed-Wing Aircraft

Name	Presentation	Students	Title
Goppert, James Michael	1434	Carly Melissa Frith† (Engineering|Liberal Arts) Wei-Yun Liu† (Engineering) Julian Vincent Netherwood‡ (Engineering) Lucas Soldano‡ (Engineering) Niousha Pajouyan‡ (Engineering) Owen Jacob Lee‡ (Engineering) Prithika Rashmi Gopal‡ (Engineering) Rhys Marie Shilling‡ (Engineering) Sahitya Shivany Satish Kumar‡ (Engineering) Nathan James Arnold* (Engineering) Victor Ionut Ene* (Engineering) Parth Kailash Dubal* (Engineering)	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Goppert, James Michael	1667	Lillian Ji† (Engineering) Joanna Yuping Wu† (Engineering)	Design, Implementation, and Experimental Validation of a Custom PCB for Fixed-wing UAV Identification in the PURT Facility
Gounder, Rajamani P	7062	Kaylani Le'mae Tomlin† (Engineering)	Methods to control zeolite framework atom removal and insertion in varying environments within the MFI topology
Gouri Prabhakar, Gouri	1278	Akhil Kota† (Science)	Automated Multi-Parametric Profiling for Monitoring Lung Cells Exposed to Contaminated Environments
Gouri Prabhakar, Gouri	1460	Frances Geraldine Johnson† (Science)	Investigation of the Potential Ice-Nucleating Properties of Atmospheric Microplastics and Nanoplastics (AMnPs) Using a SPectrometer for Ice Nucleation (SPIN)
Gouri Prabhakar, Gouri	3207	Marisa Bree Phanthavongsa† (Science|JMHC) Ella Margaret Szczerbik* (Science)	Understanding Plastic Leaching and its Effects on Cloud Formation
Graham, Lyndsey Nicole	1532	Abigail Lynn Schumacher† (HHS) Avery Brown† (HHS|JMHC)	Internal Distress is Elevated Among Rare Disorder Caregivers with Clinically Significant Mental Health Symptoms
Grama, Ananth Y	1207	Bharath Anand† (Engineering)	Neuro-AIM: Neural Guidance for Affective Image Generation
Green, Conor James	1273	Tyler Ken Kikuno† (Engineering) Brandon B Velasquez Hernandez† (Engineering) Joseph Alexander Schelb‡ (Engineering) Zhuoyu Yang‡ (Engineering) Aubrey L Jones‡ (Engineering)	2.4 GHz Radio Transmitter
Green, Leopold Noel	1407	Sofia Vera Baloski† (Science|JMHC) Maarthvick Rao Veligandla† (Science) Adarsh Maheswaran† (HHS|JMHC) Muhammad Mustafa Hasan† (Science|JMHC) Audrey Paige Hudock‡ (Science) Catherine Deng‡ (Science) Parvesh Venugopallavanya‡ (Agriculture) Joseph Wu‡ (HHS)	A DNA nanocube-based strategy to reduce pathogenic colonization on silicone implants through engineered Lactobacillus Crispatus Biofilms
Greene, Grace Emma	1922	Gauri Srinath† (Science|JMHC)	Comparison of Electron Ionization vs Chemical Ionization High-resolution Mass Spectrometry Libraries for Identification of Aliphatic Hydrocarbons
Gregor, Justin Bradley	1458	Carolyn Jia† (Agriculture|JMHC)	Characterization of Set4's function in modulating azole suppression in Candida glabrata
Gregor, Justin Bradley	1636	Maren Michele Eaton† (Agriculture|JMHC) Lauren Rose Connors‡ (Agriculture) Carolyn Jia‡ (Agriculture|JMHC)	Investigating the Role of SET Domain-Containing Epigenetic Factor Set4 in Azole Suppression in C. Glabrata

Name	Presentation	Students	Title
Grillos, Tara	1614	Zixuan Bao† (Agriculture)	Collective action in environmental conservation: A randomized controlled trial of a Forest Carbon Emissions Reduction Program in Bolivia
Grossi Ferrarezzi, Cristiane	3109	Kaitlyn Marie Wayne† (Engineering)	Evaluating Post-Fire Environmental Testing Guidance for Standing Homes: Gaps, Risks, and Recommendations
Gu, Yan	1916	Milan N Shah† (Engineering) Chee Ying Tay* (Engineering|Science)	Achieving Dynamic Stability in a Full-Body Humanoid Robot Simulation using ROS2 for VIP Humanoid Robot Club
Guerrero Montalvan, Marcelo Inaki I	1217	Alexis Lucille Ador Bernal† (Agriculture|Engineering)	Using Fluorescence and Optical Density to Model Bacterial Cell Concentration
Gunaratna, Nilupa S	7117	Andrew Yoon Young Cheong† (HHS|JMHC)	Longitudinal Insights into Food Vendors' Livelihood Strategies in Kenya
Gundapaneni, Natasha Rajendrara	7019	Medha Belwadi† (Science)	Spatiotemporal Explainability of AI Models for Critical View of Safety Assessment in Laparoscopic Cholecystectomy
Gundapaneni, Natasha Rajendrara	7080	Mehar Jetly† (Engineering) Miram Elag† (Engineering|JMHC) Gerardo Quiroga† (Engineering) Grace Lincoln† (Engineering) Alexander Tsai‡ (Engineering) Austin Journey Zhan‡ (Engineering) Dereck Wei Lu‡ (Engineering) Walter Xavier Lopez‡ (Engineering)	Mechanical Cell Testing Chamber.
Guo, Haohan	1249	Cian Ouray Flaherty† (Engineering)	SCALE HI-AP: Interconnect Technologies for 3D-Heterogeneous Integration
Guo, Qi	1483	Lindsey Lingxi Liu† (Engineering) Shravan Pradeep† (Engineering) Huijie Loy‡ (Engineering) Yan-Jun Lin* (Engineering) Pei-Chi Liu* (Engineering) Andrew Song* (Engineering)	U-Net Training for Segmentation and Depth
Guo, Qi	7025	Renzhi Yongtian† (Engineering) Nana Lee† (Engineering) Tanvi Dhawade† (Engineering)	Theory and Implementation of Depth-from-Differential-Defocus Algorithms
Gupta, Ayushman	1022	James Chen† (Science) Kritav Dalal† (Science)	Educational Minecraft LLM Agent
Gupta, Vijay	1603	Srivalli Akella† (Engineering)	Cobots in Semiconductor Industry: Fundamentals and Future Aspects
Gutierrez, Eric	1237	Toben DeLaney† (HHS)	Serum Lipid Mediators and Metabolites Are Associated with Tendon Structural and Mechanical Properties in Type 2 Diabetes
Gutierrez Pionce, Denisse Victoria	1136	Lea Camille Vojslavek† (Science) Yara Zaidoun Hijaz‡ (Science|JMHC) Jasmine Rae Harper* (Science|JMHC)	Effectiveness of DMSO in Cryoprotection of Escherichia coli Strains
Gutmann, Michelle L	1538	Josephine Ruby Sibert† (HHS|JMHC)	Building Awareness and Understanding of Aphasia
Haddad, Jeffrey M	7092	Anabelle Min Yang† (HHS|JMHC) Padmaja Sachin Khairnar‡ (Engineering|JMHC)	Effects of Memory Load on Postural Sway
Hall, Hana	1236	Louis Michael Delaby† (Agriculture|JMHC)	Investigating the Role of Rm62 Helicase in R-loop Homeostasis, Gene Expression, and Neurodegeneration During Aging

Name	Presentation	Students	Title
Hall, Jennifer M	1015	Olivia Sue Grace Bowman† (Agriculture|Liberal Arts|JMHC) Marissa Linnea Curry† (HHS|Liberal Arts|JMHC) Gabriel Miller† (Polytechnic|JMHC) Sarah Ruth Bai Carpenter† (HHS|JMHC) Savannah I Price‡ (HHS|JMHC)	Impacts of Embedded Wellness Curriculum on College Student Wellbeing
Halurkar, Manasi Suchit	1126	Jonathan Sam Suresh† (Science|JMHC)	The Role of NaV1.2 in VIP and SST Interneurons in Cortex Function and Behavior
Han, Subin	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Han, Zhixian	8008	Alaila Mariah Jones† (HHS|Science) Prasiddhi Shivakumaran† (HHS|Liberal Arts)	An effect of recall on word recognition: assessing the interaction of anxiety induction and word valence
Handwerker, Carol A	1761	Rachel Christine Quisil Ordiales† (Engineering)	SCALE Characterizing High-Temperature Pb-free Solder Joints
Hanna, Jason A	1215	Mikayla E Bell† (Science)	Assessing VEGFR3 signaling as a potential therapeutic target for radiation-induced angiosarcoma (RIAS)
Hanna, Jason A	1818	William Richard Budka† (Science)	Effect of Enoxacin on Radiation-induced angiosarcoma
Hardiman, Brady S	1205	Grace Louise Amburgey† (Science|JMHC) Emmeline Rose Seest‡ (Agriculture|JMHC) Grace Elizabeth Collins‡ (Agriculture) Renee Danielle Walmoth‡ (Agriculture)	The relationship between sugar accumulation and the timing of leaf senescence in two species of deciduous trees: An analysis of photosynthetic pigment degradation
Harris, Gabriel Steven	1004	Abigail Catherine Alexander† (Agriculture)	Regulation of bone remodeling through co-delivery of STING antagonist and phenamil nanocarriers.
Hartman, Nathan W	1452	Anna Leigh Huston† (HHS)	Barriers to Manufacturing Employment for Veterans with Traumatic Brain Injury: Employee and Employer Perspectives
Hartwick, Jacob Edward	1145	Nicholas Casamir Yurkus† (Science) Truman Carl Parrish† (Engineering) Jeev Srinivas Sosale† (Science)	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Hartzler, Samuel L	7120	Keith Meyers† (Science|JMHC)	Studying Carboxysome Assembly in Halothiobacillus neapolitanus
Hass, Zachary J	1237	Toben DeLaney† (HHS)	Serum Lipid Mediators and Metabolites Are Associated with Tendon Structural and Mechanical Properties in Type 2 Diabetes
Hassan, Ahmed Abdelkhale	1498	Harihara Sujit Nair† (Science|JMHC)	A Multi-Modal Deep Learning Pipeline Utilizing Transfer Learning and Phenotypic Profiling for Repurposing Therapeutics Against Clostridioides difficile
Hastreiter, Travis James	1509	Evan Clark Paull† (Engineering|JMHC) Nathan Lee† (Engineering) Akash Bethur† (Engineering) Nathan John Champley‡ (Engineering) Sloan Bennett McDonald‡ (Engineering)	Optimization of Sea-Vessel Tracking Satellite Constellation via Genetic Algorithm
Haynes, Linda E	1006	Maximilian A Ante† (HHS)	Effects of Myelination on Neurocognitive Health through Interventions

Name	Presentation	Students	Title
Haynes, Linda E	1017	Jesus Cardenas-Lopez† (Polytechnic)	The State of Technology in Modern Healthcare Systems
Haynes, Linda E	1035	Lauren Josephine Dunnett† (Science)	Analysis of Patient Support in Prenatal Genetic Testing
Haynes, Linda E	1037	Aaron Thomas Dye† (Science)	Pipelines, Pressure, and Perceptual Realism
Haynes, Linda E	1044	Myles Jacob Fierer† (Polytechnic)	The Security Gap in Connected Autonomous Vehicles: Cybersecurity and Forensic Challenges
Haynes, Linda E	1047	Joseph Dean Freese† (Polytechnic)	Art & Propaganda
Haynes, Linda E	1076	Daniel Kolgushev† (Science)	Is Mamba More Efficient Than Transformer Models at Reasoning?
Haynes, Linda E	1077	Krishnasaketh Kosaraju† (Polytechnic)	The Cybersecurity Arms Race
Haynes, Linda E	1094	Thang Nguyen† (Polytechnic)	Artificial Intelligence is Shaping the Field of Cybersecurity
Haynes, Linda E	1112	Rakshith Ramgopal† (Science)	Developing Better Tools for Bioinformatics
Haynes, Linda E	1122	Kaitlyn Ann Springer† (HHS)	Induction of Labor: Recommendations and Relationship With Cesarean Section Prevelance
Haynes, Linda E	1127	Alexander D Todorov† (Polytechnic)	The Physical and Societal Cost of Datacenter Expansion
Haynes, Linda E	1141	Anna Elizabeth Wilk† (HHS)	The Link Between Periodontal Disease and Alzheimer
Haynes, Linda E	1233	Audrey Anne Culp† (Agriculture)	The Creativity Required for Innovation
Haynes, Linda E	1238	Andrew Richard Demerly† (Polytechnic|JMHC)	Effects of Excessive Authentication
Haynes, Linda E	1271	Kevin M Karram† (Polytechnic)	Favorite Long-shot Bias as a Microstructure Artifact in Prediction Markets
Haynes, Linda E	1297	David Joseph Miller† (Polytechnic)	Animation: Achieving Accessibility by Exploring Various Technology and Methods.
Haynes, Linda E	1310	Priya Lakulesh Patel† (Science)	Bio-Inspired Neural Architectures in Artificial Intelligence Models
Haynes, Linda E	1338	Hargun Singh† (Science)	Can Algorithms Design a Fairer Bus System on the Chicago CTA?
Haynes, Linda E	1366	Alice Yiqing Zhang† (Science|JMHC)	How Perceptions of Asexuality Affect Asexual People
Haynes, Linda E	1449	Jingcao Hu† (Polytechnic)	Explorations of Fluctuations for AI-Oriented Market
Haynes, Linda E	1489	August William Mauer† (Science)	Simulation of Quantum Tunneling Effects on DNA Stability
Haynes, Linda E	1533	Francisco Sebastiano† (Engineering)	Image Sensor Fabrication: A Semiconductor Doping Laboratory Experiment
Haynes, Linda E	1543	Jake Salvatore Stateman† (Engineering|JMHC)	Analysis of Pathways for Commercial Scaling of Volumetric Additive Manufacturing
Haynes, Linda E	1549	Matthew J Tolla† (Polytechnic)	Artificial Intelligence and Workplace Productivity and Efficiency
Haynes, Linda E	1554	Lewis Clayton Turley† (Polytechnic)	How Much Do Fuel Prices Really Drive Freight Costs?
Haynes, Linda E	1565	Laney Kristine Wilson† (Education)	The Detriment of a Deficit Mindset in Education
Haynes, Linda E	1615	Daisy C Barrett† (Engineering)	Under Pressure: Human Limits in Deep Sea Exploration
Haynes, Linda E	1700	Ayush Oberoi† (Polytechnic)	Evaluating the Scientific Basis of the Gateway Process: Brainwave Entrainment and Measurable Neural Effects

Name	Presentation	Students	Title
Haynes, Linda E	1717	Abhishek Milind Salitri† (Science)	Regulating AI's Water Footprint
Haynes, Linda E	7001	Kai Wen - Er† (Polytechnic)	From Curiosity to Code - Why Young Tech Learners Begin with Hacking
Haynes, Linda E	7004	Matthew Du† (Engineering|JMHC)	Robustness of SRT Division with Quotient-Digit Selection, Fault Sensitivity, and Verification Strategies
Haynes, Linda E	7023	Harshith Suresh† (Science)	AI Capital Expenditure Bubble
Haynes, Linda E	7065	Tyson Nicholas Brack† (Science)	Can Buying Tickets be Fairer to Fans?
Haynes, Linda E	7097	Ann Marie Uhlmansiek† (Agriculture)	Front-of-Package Labeling Strategies to Identify Ultra Processed Foods
Haynes, Linda E	7148	Noah Miles Cain† (Polytechnic)	Crime Reduction Through Community Redevelopment in Tippecanoe County, Indiana
Hazbun, Tony R	1675	Parker Jay Keyes† (Pharmacy) Wefae Abderezak Ali† (HHS|Pharmacy|JMHC)	Integrative Analysis of Oxidative Stress-Response Phenotypes and the Role of N-terminal Methylation in Saccharomyces cerevisiae
He, Qiuhong	1494	Kalen Karrigan Moe† (Agriculture|HHS) Divya Pillutla† (HHS) Ting-chih Ko† (HHS) Isak W Rantanen† (HHS)	Bacteria-enhanced Immunosuppression of Breast Cancer Metastasis in 4T1.2 HER2+ Murine Tumor Models Treated with M1 Anti-HER2 CAR-Macrophages
He, Zijian	1001	Ashwina Agarwal† (Engineering|JMHC)	Streamlining the Production of Tabletop Humanoid Entertainers
He, Zijian	9018	Ahmed Atef Mahmoud Elsheshtawy Elbehiry† (Engineering) Hussein Sayed Hanafy† (Engineering)	Extended Kalman Filter Tracking for RoboMaster Armor Plate Pose Estimation
Heil, Brittany Nicole	1515	Elisabeth Porter† (HHS)	Understanding the role of PP2A-B56a in Epithelial-to-Mesenchymal Transition in Pancreatic Cancer
Heil, Brittany Nicole	1541	Emily Grace Smith† (Science|JMHC)	Loss of PP2A-B56a Disrupts Cell Identity and Promotes Tumorigenic Traits in NSCLC
Hein, Timothy Francis	1211	Eitan Bajwol Gomberoff† (Engineering|JMHC) Arsal Khurram‡ (Engineering) Seung Won You‡ (Engineering)	Workflow for Power, Performance, and Area Analysis of Hardware Designs
Hein, Timothy Francis	1327	Zachary Romps† (Engineering)	Analyzing Timing and Area Tradeoffs in Parameterized Clos Network Switch Design for AI Hardware
Hein, Timothy Francis	1437	Mikhail Golovenchits† (Engineering) Sahil Dhruvan Patel† (Engineering) Shaunak Manish Sarlashkar† (Engineering) James Robert Erwin† (Engineering|JMHC) Aditya Hegde† (Engineering) Vihaan Reddy Chinthakindi* (Engineering) Heng-I Chu* (Engineering)	Designing a Compiler Stack for a Programmable Atalla AI Accelerator
Hein, Timothy Francis	1468	Seokjae Kim† (Engineering) Evanjaline Sherl Sahaya Rajesh Durai† (Engineering|JMHC) Hsin-Yu Tsern† (Engineering)	Physical and Logical Verification of the AFTx08 Chip through LEC, DRC and LVS
Hein, Timothy Francis	1569	Seung Won You† (Engineering)	Fundamentals of the ASIC Design Flow Toward Tapeout
Hein, Timothy Francis	1679	Juneseok Kwon† (Engineering)	Dynamic Power Characterization and SAIF-Based Activity Analysis of the AFTx08 Dual-Core SoC in 180nm CMOS
Hein, Timothy Francis	1697	Moe Wai Yan Myint† (Engineering) Niels van Ritbergen† (Engineering) Blake Alexander Andrews† (Engineering)	Design of a Multi-Clock Domain Architecture for Power-Efficient SoCs

Name	Presentation	Students	Title
Hein, Timothy Francis	1706	Cameron Thomas Patt† (Engineering) Vladimir D Bondar† (Engineering) Amogh Shivanand Havanagi† (Engineering)	Design for Test Architecture on SoCET's AFTx08 Chip
Hein, Timothy Francis	1750	Nathan Nanchuen Yu† (Engineering)	SoCET Synopsys Flow
Hein, Timothy Francis	7073	Simon Hongyi Xu† (Engineering) Ammar M Mukadam† (Engineering) Jayaditya Borah† (Engineering) Morgan G Edwards† (Engineering)	Physical Design Optimization and Signoff Verification For SoCET's AFTx08 SoC
Hein, Timothy Francis	7107	Alexander Repikov† (Engineering|JMHC)	AFTx08 SRAM Implementation
Henderson, Gregory C	1213	Jadyn Marie Befort† (HHS|JMHC)	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.
Henderson, Gregory C	1239	Ariana Zoe Diaz Portalatin† (HHS)	Effect of Diet-Induced Obesity on the Hepatic Fatty Acid Carrier Proteome in Mice
Henneberry, Debra	1054	Margaret E Gretschmann† (HHS) Dushyant Vinay Singh† (Polytechnic) Atandrila Chowdhury* (Engineering)	Biometrics and the Flight and Simulator Environment: Understanding Fatigue and Stress in Student Pilots
Higgins, Camille Isabella	1640	Colton Joseph Forrest† (Science)	Generation of Reporter HCV-SINV Chimera for the Structural Study of HCV Envelope Glycoproteins
Hilgarth, Karsten Alexander	1107	Nicholas Poplavskyy† (Engineering) Nicholas Luke Breitwieser† (Engineering) Larry Braden Reamer† (Engineering) William Jeffrey Maney† (Engineering)	Developing a Cost-Effective Smart Automatic Modal Hammer
Hill, Megan Leigh	1414	Daniel Michael Carrel† (Science)	Electrochemical Output Elucidates Sub-Diffraction Limit Bubble Activity in Aqueous and Organic Phases
Hill, Megan Leigh	1429	Cody Douglas Dickin† (Science|JMHC)	Spontaneous Electrochemiluminescence Triggered by Simple Contact at Metal–Solution Interface
Hoagland, Lori A	1124	Mae Adele Stirrup† (Liberal Arts|Science|JMHC)	Optimization of the Growth of Carrots in Varying Substrates
Hockerman, Gregory H	1339	Evan Carl Skoglund† (Pharmacy|JMHC)	Sex-Specific Effects of Beta-Cell IRBIT Deletion on Pancreatic Islet Vascularization and Glucose Tolerance
Hoon, Fan Jing	1053	Shrienidhi Gopalakrishnan† (Engineering) Taviish Bothra† (Engineering) Syd Ghosh† (Engineering)	Simulation and design of the texturing subsystem within the Cardinal GPU
Hoon, Fan Jing	1212	Pranav Bantval† (Engineering) Jia-He Zhou† (Engineering) Advay Welling† (Engineering) Raghuv Potdar† (Engineering) Aadi Aniruddha Rave† (Engineering|Science)	Compiler for Computer Graphics Workloads with Software-Handled Hazards
Hoon, Fan Jing	1294	Aidan Michael McDonough† (Engineering) Erhao Chen† (Engineering)	Analysis of the Cardinal gpGPU via Benchmarking with the Nest Custom Graphics Pipeline
Hoon, Fan Jing	1428	Asavari Deshmukh† (Engineering) Shresth Mathur† (Engineering) Aiden Hughes Sexton† (Engineering)	Exploiting temporal locality in GPU using Register File Cache for power optimization
Hoon, Fan Jing	1561	Jacob Thomas Walter† (Engineering|JMHC) Mayank Patibandla† (Engineering|JMHC) Vedant Sharma† (Engineering) Julio Hernandez† (Engineering) Esharaqa Afreen Jahid† (Engineering) Akhil G Yada† (Engineering) Adam Nabil Ghalayini† (Engineering) Brian Zhuang‡ (Engineering)	Vector Core for Accelerating Nonlinear Layers of AI Models in the Atalla AI Chip

Name	Presentation	Students	Title
Hoon, Fan Jing	1637	Kai Ze Ee† (Engineering) Zach Anthony Barna† (Engineering) Seth Thomas McConkey† (Engineering|JMHC) Yash Singh† (Engineering) Daniel EnYi Yang† (Engineering) Cecilie Zhang† (Engineering)	Simulating Cardinal Cx01: An Area-Efficient, Compiler-Guided GPU Architecture
Hoon, Fan Jing	1690	Yoshita Mahesh† (Engineering) Andy Hanjun Hu† (Engineering) Arina Harlanovich† (Engineering)	Optimizing GPU Throughput and Area with Sub-core Architecture
Hoon, Fan Jing	1843	Syd Ghosh† (Engineering)	Accelerating 2D Triangle Rendering and Pixel Interpolation through Fixed-Function Hardware.
Hoon, Fan Jing	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Horgan, Briony H	1034	Kylee Rene Dodd† (Science) Walker Andrew Millhoff* (Liberal Arts|Science) Isabella Grace Shockley* (Engineering|Science)	Investigating the Effects of Sample Size on Lunar Analog Characterization
Horie, Yuuki Valentino	1944	William Xinyue Zheng† (Engineering)	Characterizing Sustainable Aviation Fuel Physical Properties Using Viscometry
Horie, Yuuki Valentino	9006	Joshua Timothy Burroughs† (Engineering|JMHC)	Predictive Modeling of Jet Fuel Mixture Absorbance via the Beer-Lambert Law
Horton, Kyle Gerald	1108	Lydia Grace Pultorak† (Agriculture|JMHC)	Bird-window Collisions at Purdue University: A Survey to Inform Mitigation Efforts
Hossain, Samera	1618	Leonard Dominic Buss† (Engineering|JMHC) Iris I Tsai‡ (Engineering)	Space-Charge Limited Current Density in a Cylindrical Diode: PIC Validation and Assessment of Collision Frequency
Hoyos Moreno, Andres Felipe	1117	Sofi Zhang Schmitt† (Engineering) Abhi Theo Hakhu† (Engineering) Akul Goyal† (Engineering) Brian Wu† (Engineering)	Probabilistic Collision Mitigation for Low Earth Orbit Satellites
Hoyos Moreno, Andres Felipe	1146	Alexander Haitian Zhang† (Engineering) Alexander Lam Nguyen† (Engineering) John Michael Wyman† (Engineering) Mohamed Mahmoud Zaitoun† (Engineering) Siddhant Monish Tandale† (Engineering)	Comparative Analysis of NRHDG and NMPC Frameworks for Autonomous Drone Racing
Hoyos Moreno, Andres Felipe	1292	Suhani Mathur† (Engineering) Shaunabh Bose† (Engineering) Kareem AbdelHameed Hassan† (Engineering) Farah Moussa† (Engineering)	Adverse Weather Effects on Multi-Sensor Autonomous Driving
Hoyos Moreno, Andres Felipe	1556	Steven James Van Hulle† (Science) Joshua John Beigel† (DSB) Jacob Charles Long† (Engineering) Margulan Mukhametkarim† (Engineering) William David Bridgnell† (Engineering) Alexander Michael Gansler‡ (Engineering|JMHC) Alexander T Valdes‡ (Engineering) Andrew Joseph Shelley‡ (Polytechnic)	NSWC AIMM ICC Autonomous Boating Challenge
Hoyos Moreno, Andres Felipe	1673	Griffin Xander Kanzeg† (Engineering) Benjamin Tianming Sun† (Engineering) Marco Alexander Wilson† (Engineering) Suraj Ketan Patel† (DSB)	Human-Informed Real-Time Autonomous Control System for Go-Kart Navigation
Hoyos Moreno, Andres Felipe	1709	Paresh Pobbati† (Engineering) Andrew Ryan Davidson† (Science|JMHC) Kush Aklank Kodiya† (Science) Basant Sharma† (Science|JMHC)	Kalman Filter Based Sensor Integration For Go-kart localization

Name	Presentation	Students	Title
Hoyos Moreno, Andres Felipe	1744	Zhishan Wang† (Engineering) Kaijie Zhu† (Engineering) Kieran Venkat Desireddi† (Engineering) Zheng Qing† (Engineering) Jacob Junjie Zhang† (Engineering) Brian Sam Lee† (Engineering) Jacob Forrest† (Engineering)	Controller Design for Autonomous Racing Vehicle
Hoyos Moreno, Andres Felipe	1751	David Michael Yuhas† (Engineering) Ibrahim Shahid† (Engineering) Matthew Douglas Frago† (Engineering) Ethan Keid Chen† (Engineering) Pedro Andres De Jesus Velez† (Engineering)	Autonomous Go-Kart Training Algorithm Mechanical Sub-Team Spring 2026
Hoyos Moreno, Andres Felipe	1806	Yash Rajendra Ashtekar† (Engineering) Arin Kedar Swadi† (Engineering) Sehyeong Yeom† (Science) Aidan Kwan† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Real-Time Path Planning and Trajectory Optimization for Autonomous Motorsports
Hoyos Moreno, Andres Felipe	1827	Bea Alyannah Magsayo Cortes† (Engineering) Aryav Gogia† (Engineering) Aiden Tian† (Engineering) Akram Reda Mahmoud† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Autonomous Go-Kart: Perception and Simulation
Hoyos Moreno, Andres Felipe	1834	Aya Wael Mohammed Tawfik Elghayaty† (Engineering) Siddarth Balaji Calidas† (Engineering) Liam Thomas Yates† (Science) Aadya Rangole† (Science) Connor Benjamin Coladonato‡ (Engineering) Manasvi Meka‡ (Science|JMHC)	Extreme Conditions SLAM: A High-Speed Weather Resistant Simultaneous Localization and Mapping Implementation
Hsieh, Cheng-Chih	1235	Navya Harini Datla† (Engineering) Michael Lee† (Engineering) Joshua David Klug† (Engineering) Jash Snehal Pola† (Engineering)	VLIW Scheduler Core Design for AI Hardware Accelerator Chip
Hu, Jingying	1743	Edward Jack Wang† (Science)	Cross-platform Analysis of Claim, Counterclaim, and Grounding in Climate Discourse
Hu, Jingying	8009	Erin Rhyse O'Donnell† (Liberal Arts|JMHC) Samuel Isaiah Piper† (Agriculture|Liberal Arts|JMHC) Tara Wong† (Liberal Arts) Amy Kathleen Genz‡ (Liberal Arts|Science) Alejandro Sebastian Gonzalez‡ (Liberal Arts) Hannah Grace Barsoum‡ (HHS|Liberal Arts)	Effects of discourse-related factors on relative clause extraposition
Hu, Jingying	8012	Alejandro Sebastian Gonzalez† (Liberal Arts) Hannah Grace Barsoum† (HHS|Liberal Arts) Amy Kathleen Genz† (Liberal Arts|Science) Tara Wong‡ (Liberal Arts) Samuel Isaiah Piper‡ (Agriculture|Liberal Arts|JMHC) Erin Rhyse O'Donnell‡ (Liberal Arts|JMHC)	The role of phrase length in relative clause extraposition
Hu, Rongbo	1211	Eitan Bajwol Gomberoff† (Engineering|JMHC) Arsal Khurram‡ (Engineering) Seung Won You‡ (Engineering)	Workflow for Power, Performance, and Area Analysis of Hardware Designs
Hu, Shu	1497	Tanish Gajanan Mudaliar† (Science|JMHC)	Content-Style Disentanglement in Text-to-Video Diffusion via UnZipLoRA and AnimateDiff
Hua, Inez	1084	Ryan James Mahoney† (Engineering)	Evaluation of impacts of unsustainable e-waste disposal practices
Huang, Chun-Kang	1436	Eann M Gatuna† (DSB) Micah A Macias† (DSB)	Quantifying Algorithmic Bias and Proxy Discrimination in AI-Driven Resume Screening

Name	Presentation	Students	Title
Huang, Sheng-wen	7012	Owen Chen† (Engineering) Maya Elizabeth More‡ (Engineering)	Power MOSFET Internal Aging Modeling with External Surface Measurments
Huang, Sheng-wen	7051	Maya Elizabeth More† (Engineering)	Correlations Between Internal and External Aging on Power MOSFETs for Automotive Systems
Huang, Yiwei	7061	Odin Charles Johnson† (Agriculture) Matthew Alexander Spinazze† (Agriculture) Grace Anne Ackerman† (Agriculture) Jennifer Audree Kerr† (Agriculture)	Analysis Playground Materiality: Temperature and Comfortability
Hubbard, Sarah M	9024	Yen Hua Huang† (Polytechnic) Reagan Michele Carmela Bradley† (Liberal Arts|Polytechnic)	Examination of Operational and Infrastructural Drivers affecting ORD Taxi times and departures
Hughes, Shaun F D	8005	Maria Catherine Conners† (Liberal Arts|JMHC)	Incisive Disguises: Negotiating Courtship in ATU 510B
Hummels, David L	1859	Asmi Jamnis† (DSB)	From Local to Flagship: Drivers of Enrollment Shifts in U.S. Colleges
Humphrey, Jacob Charles	1550	Sunny Townsend† (Engineering) Nicholas Paul Santorelli† (Engineering)	Optimizing the Use of Diverging Lenses in Co-location Food and Energy Production
Hutton, Emily Anne	1304	Kyndall Lauren Osborne† (Science)	The Influence of Biological Context on Student Claims and Evidence Use in Graph Interpretation
Idrissi Alami, Ahmed	8003	Madilen Helene Gesse† (Liberal Arts)	Soft Power Diplomacy of China and the United States in Chile, and its Impact on Local Politics
Ingwell, Laura L	1102	Sol Nicolas Perez Liska† (PWL)	Measuring nutrient dynamics of Black Soldier Fly (Hermetia illucens)-derived soil amendments in greenhouse tomato production
Inouye, David Iseri	3205	Andre Lee† (Science)	Modeling Sequences of Heterogeneous Sequences via Higher-Order Mixing Operator
Irizarry Tardi, Nicole	1446	Luke Wilson Heymann† (HHS) Sebastian Gao Meginnis‡ (HHS)	Therapeutic and Prophylactic Effects of Postbiotic Derived from a Next-Generation Probiotic in a Colitis Mouse Model
Irizarry Tardi, Nicole	1729	Benjamin Douglas Springer† (Science) Sebastian Gao Meginnis* (HHS)	Inhibitory Properties of a Novel Whey Protein Concentrate on Porcine Epidemic Diarrhea Virus (PEDV)
Islam, Tunazzina	1000	Aditya Agarwal† (Science) Hiya Samanta† (Science|JMHC) Sai Vallabha Chebrolu† (Science)	Auditing and Mitigating Bias in LLM-Generated Targeted Communication
Islam, Tunazzina	1093	Prisha Grace Mungara† (Science) Riya Singh† (Science)	AI SHARE: Building the Global AI Attitudes Research Portal
Islam, Tunazzina	1568	Seunghyun Yoo† (Science) vedant Thakur‡ (Liberal Arts)	Mechanistically Disentangling Safety and Innovation: Topological Separation of Conflicting Governance Circuits in LLMs
Islam, Tunazzina	1743	Edward Jack Wang† (Science)	Cross-platform Analysis of Claim, Counterclaim, and Grounding in Climate Discourse
Islam, Tunazzina	1930	Tri Quang Vo† (Science) Sarah Mohapatra† (Science) Nakshatra Hansika Tondepu† (Science) Seunghyun Yoo‡ (Science)	Enhancing Graph-Based Retrieval in Explore-AGORA: Schema Refinement, Explainable Retrieval
Issa, Elsayed Sabry Abde	8000	Brookelyn Abigail Erwin† (Agriculture)	Picture Perfect: Evaluating ChatGPT's Ingredient Prediction of International Cuisine Using Image Analysis
Ivester, Kathleen M	1111	Dana J Radentz† (Agriculture)	Effect of Omega-3 Polyunsaturated Fatty Acid Supplementation in Asthmatic Barrel Racing Horses

Name	Presentation	Students	Title
Ivester, Kathleen M	1802	Yasmine Iyas Sheik Amarneh† (Agriculture)	Seasonal changes in airway inflammation, dust exposure, and plasma lipids in healthy horses
Iyer, Shalini	1305	Isabel M Owens† (Science|JMHC)	Investigating the role of Legionella pneumophila effector Ceg14 residues in ATP hydrolysis
Jahanshahi, Mohammad Reza	1433	Marisa Jean Fredrickson† (Engineering)	Data Science for Smart Cities - Data Annotation
Jahanshahi, Mohammad Reza	1605	Mohit Sachin Ambe† (Science)	Smart Cities - Audio Sentiment Analysis for PASER Asphalt Grading
Jahanshahi, Mohammad Reza	3016	Mark Vincent Waldron† (Science)	Efficient Data Acquisition for Mobile Sensing Platforms Using Continuous RGB-D Video and Adaptive Redundancy Filtering
Jaiswal, Aparajita	1096	Gourav Pany† (Engineering) Nathan Robert Walsh† (Engineering) Trinay Ravella† (Engineering) Apostolos Constantine Zachariadis‡ (DSB) Quinn P Murphy‡ (Engineering) Luke Alexander Macrina‡ (Engineering)	Designing for Small Hands and Big Needs: A Sensory Table for Therapeutic Play
Jaiswal, Aparajita	1138	Nathan Robert Walsh† (Engineering) Luke Alexander Macrina† (Engineering) Quinn P Murphy† (Engineering) Gourav Pany‡ (Engineering) Apostolos Constantine Zachariadis‡ (DSB) Trinay Ravella‡ (Engineering)	Developing a Custom Sensory Table Through Community-Engaged Engineering
Jaiswal, Aparajita	1666	Kartik Neetesh Jairam† (Engineering) Phuc Gia Do† (Engineering) Augustus Corle Gillespie† (Engineering) Nguyen Tuan Kiet Vu† (Engineering) Shalin Sinha‡ (Engineering) Matthew Roxas* (Engineering)	From Data to Decisions: A Climate Dashboard for the Standing Rock Community
Jaiswal, Aparajita	1823	Wanrong Maddison Cheng† (Engineering) Chisato Sakakibara† (Polytechnic) Pranavi Chaganti† (Science) Pranav Ramnath† (Engineering) Adrienne J Gooch‡ (Polytechnic) Manas Anantha Maligi‡ (Engineering) Nathan R Leong* (Engineering)	Designing a Safe Student Pick-Up App: A User-Centered Approach to Improving Dismissal Logistics
Jaiswal, Aparajita	7078	Adithya Sridhar† (Engineering) Jenny Mengmeng Li† (Engineering) Cole Ryan Scheidler† (DSB) Nicole Elizabeth Bunag† (Engineering) Garv Atri‡ (Liberal Arts|Science) Sofia Castro‡ (Engineering)	Collaborative Design for Social Impact: Branding and Web Development for a Veteran-Serving Nonprofit
Jaiswal, Aparajita	9043	Sanya Mehra† (Science|JMHC)	Student-centered Community-engaged Undergraduate Research Experiences (SCURE): Enhancing Interdisciplinary Student Learning in Research Projects
Jaiswal, Natasha	1875	Colton Frank Lehnen† (HHS) Ishmine Kaur Heera‡ (Science) Shivani Sivakumar‡ (HHS|JMHC) Andrew Yoon Young Cheong‡ (HHS|JMHC)	Role of antibiotic-induced gut dysbiosis on endurance exercise capacity, body composition, and ability to adapt to exercise.
Jang, Junwoo	1100	Nikolai Perebeinos† (Engineering)	Femtosecond Laser Annealing of Hafnium Zirconium Oxide ($Hf_{.5}Zr_{.5}O_{2}$)

Name	Presentation	Students	Title
Jarriel, Katie	1045	Lorellei Estella ro Fletcher† (HHS|JMHC) Daniella Solares† (HHS|JMHC) Audrey May Krauhs† (Liberal Arts|Science|JMHC) Gracen Isabella Stewart† (Science|JMHC) Yajushi Ashutosh Gokhale‡ (Science|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Jessica Josephine Adams‡ (HHS|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	Analyzing Teamwork Training in Undergraduate Healthcare Education
Jarriel, Katie	7059	Yajushi Ashutosh Gokhale† (Science|JMHC) Jessica Josephine Adams† (HHS|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Audrey May Krauhs‡ (Liberal Arts|Science|JMHC) Lorellei Estella ro Fletcher‡ (HHS|JMHC) Daniella Solares‡ (HHS|JMHC) Gracen Isabella Stewart‡ (Science|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	An Analysis of Gamification in Teamwork Training for Undergraduate Education
Jenckes, charles holliday	9042	Juan Felipe McKendry† (Engineering) Krtin Akkineni† (Engineering) Eli Shamis† (Engineering) William Hamilton Barney† (Engineering) Robert J Queen† (Engineering)	Aerodynamic Analysis and Modification of Unlimited Class Pikes Peak Hill Climb Vehicle
Jha, Pragathi	1419	Alexandria Grace Chrusciel† (Science|JMHC)	Climate Change and Conflict
Ji, Julie Ying Hui	7080	Mehar Jetly† (Engineering) Miram Elag† (Engineering|JMHC) Gerardo Quiroga† (Engineering) Grace Lincoln† (Engineering) Alexander Tsai‡ (Engineering) Austin Journey Zhan‡ (Engineering) Dereck Wei Lu‡ (Engineering) Walter Xavier Lopez‡ (Engineering)	Mechanical Cell Testing Chamber.
Jiang, Boyu	7143	Shanlin Ruan† (HHS)	Cell type metabolic alterations in Alzheimer Disease (AD)
Jiang, Qing	1521	Abigail Ruby Rosborough† (HHS)	Vitamin E Metabolite Discovery
Jo, Soo Jung	1606	Indira Jayraj Amin† (Science|JMHC)	Perceived Channel Beliefs of Mass and Social Media and Human Papillomavirus Vaccine Uptake among Rural Indiana Residents
Johnson, Alexandria	1278	Akhil Kota† (Science)	Automated Multi-Parametric Profiling for Monitoring Lung Cells Exposed to Contaminated Environments
Johnson, Alexandria Vincenza	1460	Frances Geraldine Johnson† (Science)	Investigation of the Potential Ice-Nucleating Properties of Atmospheric Microplastics and Nanoplastics (AMnPs) Using a SPectrometer for Ice Nucleation (SPIN)
Johnson, Alexandria Vincenza	1886	Rowan Nag† (Science)	Photochemical modeling of an ancient lunar atmosphere - from atmospheric composition to clouds.
Johnson, Alexandria Vincenza	1940	Willow Linzie Wilson† (Science|JMHC)	Plastic Ice Observing the Ability of Microplastics to Act as Ice Nuclei in Clouds Using a Droplet Freezing Array
Johnson, Alexandria Vincenza	3207	Marisa Bree Phanthavongsa† (Science|JMHC) Ella Margaret Szczerbik* (Science)	Understanding Plastic Leaching and its Effects on Cloud Formation
Johnson, Mark C	1023	Vihaan Reddy Chinthakindi† (Engineering)	Static Graph Compilation and Memory Planning for ML Inference on the Atalla AI Accelerator

Name	Presentation	Students	Title
Johnson, Mark C	1110	Myles Joshua Pristin Querimit† (Engineering) Mixuan Pan† (Engineering)	Design and Implementation of FP16 and BF16 Floating-Point Units for the Atalla AI Accelerator
Johnson, Mark C	1147	Robert Yida Zhang† (Engineering) Jiayi Liu† (Engineering) Michael X Zhang† (Engineering) Soumil Verma† (Engineering) Mary Francis‡ (Engineering|JMHC)	Kernel Library for Efficient AI Model Inference on the Atalla AI Chip
Johnson, Mark C	1272	Aman Katyal† (Engineering) Nicholas Zhang† (Engineering) Ahmad Saleem Timbo† (Engineering)	USB Host Controller for Custom SoC
Johnson, Mark C	1294	Aidan Michael McDonough† (Engineering) Erhao Chen† (Engineering)	Analysis of the Cardinal gpGPU via Benchmarking with the Nest Custom Graphics Pipeline
Johnson, Mark C	1312	Ethan C Peyton† (Engineering|JMHC)	Design and Performance Evaluation of a High-Speed Low Power Current-Steering Digital-to-Analog Converter
Johnson, Mark C	1363	Sirui Yang† (Engineering) Mohamed khaled Mohamed Atta† (Engineering)	UVM-Based Verification of a Platform-Level Interrupt Controller (PLIC)
Johnson, Mark C	1367	Amanda Zheng† (Engineering)	Low-Power Design and Performance Characterization of a StrongARM Latch Comparator and Switched-Capacitor DAC for SAR ADC Applications
Johnson, Mark C	1410	Andrew Doru Bogdan† (Engineering) Francis P Hasin† (Engineering) Eeshan Pratik Desai† (Engineering)	Design of a Current-Mode 3.3V Input to 1.8V Output Buck Converter IC in 180 nm CMOS
Johnson, Mark C	1428	Asavari Deshmukh† (Engineering) Shresth Mathur† (Engineering) Aiden Hughes Sexton† (Engineering)	Exploiting temporal locality in GPU using Register File Cache for power optimization
Johnson, Mark C	1437	Mikhail Golovenchits† (Engineering) Sahil Dhruvan Patel† (Engineering) Shaunak Manish Sarlashkar† (Engineering) James Robert Erwin† (Engineering|JMHC) Aditya Hegde† (Engineering) Vihaan Reddy Chinthakindi* (Engineering) Heng-I Chu* (Engineering)	Designing a Compiler Stack for a Programmable Atalla AI Accelerator
Johnson, Mark C	1505	Sim Seyha Ou† (Engineering)	SoCET: Standardized MCU Validation Board
Johnson, Mark C	1555	Nikhil Kishore Vaidyanath† (Engineering) Nicha Muninnimit† (Engineering) Don Anh Nguyen† (Engineering) Seongjoong Yim* (Engineering) Myles Joshua Pristin Querimit* (Engineering) Mixuan Pan* (Engineering)	Design and Evaluation of an Area-Efficient GEMM Systolic Arrays for the Atalla Ax01 Accelerator
Johnson, Mark C	1651	Thomas Allen Greer† (Engineering) Erik Kocinare† (Engineering) Chao Min Chung† (Engineering) Emma Lynn Stump‡ (Engineering) Mohamed Mostafa Hassan‡ (Engineering)	An In-depth Design and Simulation of Phase Locked Loops
Johnson, Mark C	1697	Moe Wai Yan Myint† (Engineering) Niels van Ritbergen† (Engineering) Blake Alexander Andrews† (Engineering)	Design of a Multi-Clock Domain Architecture for Power-Efficient SoCs
Johnson, Mark C	1706	Cameron Thomas Patt† (Engineering) Vladimir D Bondar† (Engineering) Amogh Shivanand Havanagi† (Engineering)	Design for Test Architecture on SoCET's AFTx08 Chip
Johnson, Mark C	1707	Preston Daniel Perkins† (Engineering) Eshan Mathur† (Engineering) Aditi Sheela Akella† (Engineering)	Implementation of Atomic Memory Operations for a RISC-V Processor

Name	Presentation	Students	Title
Johnson, Mark C	1721	Katelyn Krishan Shah† (Engineering) Randolph Nathan Ha† (Engineering|JMHC) Aniketh Bhaskar Bandi† (Engineering|JMHC) John Edward Mangas† (Engineering|JMHC) Yun-Hsuan Chiu† (Engineering)	RVB Insight: An AFTx07 Profiling Library
Johnson, Mark C	1824	Branden Woojin Cho† (Engineering) Nolan Porter Jones† (Engineering|JMHC) Weichih Hsieh† (Engineering) Maxwell Christophe Sprague† (Engineering) David Kim† (Engineering) Brady Owen Philhower† (Engineering)	Smart Remote Memory - Network Parsing and Generating
Johnson, Mark C	1863	Carlyn Elizabeth Ketcherside† (Engineering) Blanka Helena Bak† (Engineering) Ryan Francis Chemmanoor† (Engineering) Veadesh Dhanasekar† (Engineering)	ICE 40 Battleship Game
Johnson, Mark C	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Johnson, Mark C	1896	Gavin Anthony Payne† (Engineering|JMHC) Yujia Alina Li† (Engineering) Michael James Herro† (Engineering) Eli Bradley Ade† (Engineering) Iris I Tsai† (Engineering)	Balancing Input Capacitance in Large Multiplexers for FPGA Applications
Johnson, Mark C	1942	Matthew Yao† (Engineering) Bryan Chiang† (Engineering) Antariksh Mukherjee† (Engineering) Sanjith Cherumandanda† (Engineering)	Design of a FPGA Support Infrastructure to enable Pre-Silicon Software Development on the AFTx08 Chip
Johnson, Mark C	3012	Jaanav Bhavin Shah† (Engineering|JMHC) Pranav Karthik Vadde† (Engineering) Niya Ganesh Bhat† (Engineering) Prajeeth Kumar† (Engineering) Ray Zhangxu† (Engineering) Andrew Paul Becker† (Engineering|JMHC) Noah Zhu† (Engineering)	Acceleration of Polyphase Filter Banks for NASA's Habitable World's Observatory
Johnson, Mark C	7005	Rafael Monteiro Martins Pinheiro† (Engineering)	Custom Cycle-Accurate Simulation Framework for DNN Accelerator Performance Analysis
Johnson, Mark C	7011	Elian Inigo Turcal Rieza† (Engineering) Mingrui Yuan† (Engineering) Margaret Rose Mccarty† (Engineering|JMHC)	Implementation of Benes Network for Non-Blocking Connections Between CPUs
Johnson, Mark C	7073	Simon Hongyi Xu† (Engineering) Ammar M Mukadam† (Engineering) Jayaditya Borah† (Engineering) Morgan G Edwards† (Engineering)	Physical Design Optimization and Signoff Verification For SoCET's AFTx08 SoC
Johnson, Mark C	7107	Alexander Repikov† (Engineering|JMHC)	AFTx08 SRAM Implementation
Johnson, Mark C	9001	Scott Andrew Anderson† (Engineering) Karan Soni† (Engineering) Aditya Gupta† (Engineering) Cody Zhu† (Engineering)	SoC for BLDC Motor
Johnson, Mark C	9005	Rajin Gupta Braynard† (Engineering) Benjamin Scot Zarkiewicz† (Engineering) Shang-Hung Yu† (Engineering) Henry Joseph Hoorizadeh† (Engineering|JMHC)	Specialized Hardware-Accelerated Stream-Encryption
Johnson, Mark C	9020	Nezar Fahmi† (Engineering) Zhicheng Benjamin Li† (Engineering) Nhan Viet Viet Do† (Engineering) Andrew Lu† (Engineering)	Asteroids ASIC
Johnson, Mark C	9026	Tyler Mathew Hein† (Engineering) Deepti Murali Rao† (Engineering) Parth Kalpesh Patel† (Engineering) Kruz Michael Schurz† (Science)	MP3 TinyTapeout Chip Design

Name	Presentation	Students	Title
Johnson, Mark C	9029	Arnav Juneja† (Engineering) Rishi Madipalli† (Engineering) Richard Liao† (Engineering) Aarush Agarwal† (Engineering|JMHC)	Pong FPGA Recreation
Johnson, Mark C	9033	Leo Fernando Lesmes† (Engineering) Tanvi Srisai Sajja† (Engineering) Landon Michael Block† (Engineering) Aaruni Singh† (Engineering)	Atari's Pong on Application Specific Integrated Circuit
Johnson, Mark C	9046	Hang Minh Nguyen† (Engineering) Benjamin Viet Dang† (Engineering) Ninh Tan Nguyen† (Engineering)	Light-Pulsing ADC and Morse Decoding Peripherals System
Johnson, Mark C	9053	Aaron Eli Shefter† (Engineering) Emmanuel Wright Rosa† (Engineering) Hoyoung Chun† (Engineering) Romir Reddy Gade† (Engineering) William Shao-wei Lo† (Engineering)	Application Specific Integrated Circuit (ASIC) for Audio Volume Visualization
Johnson, Michael Douglas	1080	Jenny Mengmeng Li† (Engineering)	A Qualitative Analysis of The Role of UI Design in TikTok's Addictive Engagement Model
Jung, Andreas	1478	Mason Patrick Julius Levere† (Science)	Quantum Correlation in Top Quark Events from Run 3 at the LHC
Jung, Andreas	1560	Solomon Francis Wakin† (Science) Elian David Coyotl Garcia† (Science) Devikaa Prashant Thakker† (Science) Hana Yang† (Engineering)	Higgs Rediscovery
Jung, Andreas	1701	Cadance William Lucas Ormsby† (Science|JMHC) John Cheng Yu Chang‡ (Engineering) Gino Christian Daniels‡ (Science)	R&D Efforts toward a Carbon Fiber Wire Drift Chamber
Jung, Andreas	1735	Kai James Sustersic† (Science) Matthew Christopher Kim† (Science) Jacob Antony† (Engineering) Keshav Gollamudi† (Science)	Experimental Measurement of the Top Quark Mass and tt? Cross Section Through the Semileptonic Decay Channel Using CMS Data
Jung, Andreas	1900	James Thomas Pittard† (Science)	Neural Network Based Likelihood Inference of Top-Quark Effective Field Theory at CMS
Jung, Andreas	7083	Arushi Kolluru† (Science|JMHC) August William Mauer† (Science) Misty Chen† (Engineering)	Analysis of the Top Quark using Reconstruction of TTBar Events
Jung, Andy	1145	Nicholas Casamir Yurkus† (Science) Truman Carl Parrish† (Engineering) Jeev Srinivas Sosale† (Science)	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Jung, Andy	7145	Truman Carl Parrish† (Engineering) Nicholas Casamir Yurkus† (Science) Jeev Srinivas Sosale† (Science)	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Jung, Losha Dasol	1453	Juyeon Im† (Science)	Development of a Novel Bone-Targeted Radioligand Therapy for Bone Metastases
Jung, Nusrat	1622	Pranavie Chandrakumar† (Science|JMHC)	Cleaning as an Indoor Air Pollution Source: Emission and Exposure of Secondary Organic Aerosol
Jung, Shinyong (Shawn)	1036	Sara Grace Durnil† (HHS)	Pre- and Post-Event Strategies as Value Drivers in Conference Design
Jung, Uidam	1870	Ishaan Kumar† (Engineering)	Modelling the nanomechanical deformation of a flexible AFM indenter tip
Kabir, Md Ehsanul	1129	Thien-Phat Hoang Trinh† (HHS)	Unregulated Alternative Cannabinoid Vaping Products Cause Significant Pulmonary Toxicity and Immune Dysfunction Against Respiratory Pathogens

Name	Presentation	Students	Title
Kabir, Md Ehsanul	1408	Valeria Sofia Berdecia† (HHS)	Combined Toxicity of E-Cigarette Flavoring Chemicals and Metals in Human Lung Epithelial Cells
Kabir, Md Ehsanul	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Kabir, Md Ehsanul	1835	Andrew Patrick Folkers† (HHS) Anvi Bhatnagar† (HHS) Arni Prakash Bhatnagar‡ (HHS)	Modulation of Cigarette Smoke–Induced ROS Generation and Cytotoxicity by Aged Parsnip Extract and Falcarindiol in BEAS-2B Cells
Kabir, Md Ehsanul	1837	Joshua Furst† (HHS)	Endotoxin Tolerance Induced by ENDS Exposure in Bronchial Epithelial Cells
Kadakia, Aryan M	3002	Adrian Daniel Buczkowski† (Engineering) Jason Dumaual Lyst† (Engineering) Edward Zhaolong Hu† (Engineering) Heng-I Chu† (Engineering) Xinyu Liu† (Engineering) Shams Tahsinul Hoque† (Engineering|JMHC)	Atalla AI Accelerator Non-Blocking DRAM Memory Controller Subsystem
Kamath, Krutarth Kiran	1418	Pratyush Chettri† (Engineering|JMHC)	Monitoring progress of MAX to MXene etching using a hydrogen gas sensor
Kao, Shih-Chun	1487	Edwin Gibrant Diaz Maldonado† (Science)	Characterizing premenstrual gait performance with and without cognitive demand
Karakas, Lucille Esther	1343	Colleen Ryan Squier† (Science)	Trade-offs in Root Cold Acclimation Between Range Edge Populations of Narrow-leaf Plantain
Karcher, Darrin M	7115	Anna Rachelle Hardesty† (Agriculture)	The Effects of Freezing on Egg Quality
Karmarkar, Sushrut	1701	Cadance William Lucas Ormsby† (Science|JMHC) John Cheng Yu Chang‡ (Engineering) Gino Christian Daniels‡ (Science)	R&D Efforts toward a Carbon Fiber Wire Drift Chamber
Kasinski, Andrea L	1488	Sophia Anne Matthias† (Science|JMHC)	Assessing the potential synergistic effect of miR-34a and miR-200b for treating cancer
Kasting, Monica	1349	Emma Swanson† (HHS) Lillian Sophia Weiss† (Science) Rhea Chintan Shah‡ (Science) Avery Ann Musgrave‡ (Science)	Perceived Self vs. Peer Risk of HPV Infection Among Emerging Adults
Kasting, Monica	7075	Rhea Chintan Shah† (Science) Avery Ann Musgrave† (Science) Emma Swanson‡ (HHS) Lillian Sophia Weiss‡ (Science)	HPV Vaccine Perceived Risk: Discovering Changes in Perceived Risk Through an Informational Provision at No-Cost Vaccine Clinics
Keaton, Timothy J	1860	Austin Zi Jones† (Science) Fayiz Rahman† (Science)	Predicting Mixed Martial Arts Outcomes with Machine Algorithms
Keaton, Timothy J	7037	Aryan Anand† (Engineering)	Model Complexity and Generalization in FIFA World Cup 2026 Attendance Prediction
Keaton, Timothy J	7039	Almas Zhorayev† (Science) Dulith Nuveen Polpitiya† (Science) Sarthak Rathi† (Science)	Predictive Modeling of Campus Dining Court Operations
Keaton, Timothy J	7113	Aarav Chadha† (Science) Neil Yuv Sachdev† (Science) Nuv Singh Ahuja† (Science)	NutriScan: An AI-Powered Food Nutrition Label Analyzer for Personalized Dietary Insights
Keehn, Brandon M	7155	Seung-Yeol Yoon† (Science)	Validating Eye-Tracking Biomarkers for Autism Diagnosis in Low- and Middle-Income Countries

Name	Presentation	Students	Title
Kelleher, Bridgette	1082	Ciana Michelle Lorentz† (HHS) Raegan Laurel Hackett† (Science) Mia Lynn Samuelson† (HHS)	Changes in Daily Living Skills in Vineland Adaptive Behavior Scales, Third Edition in Children with Neurogenetic Conditions
Kelleher, Bridgette L	1532	Abigail Lynn Schumacher† (HHS) Avery Brown† (HHS|JMHC)	Internal Distress is Elevated Among Rare Disorder Caregivers with Clinically Significant Mental Health Symptoms
Keller, Julius C	1054	Margaret E Gretschmann† (HHS) Dushyant Vinay Singh† (Polytechnic) Atandrila Chowdhury* (Engineering)	Biometrics and the Flight and Simulator Environment: Understanding Fatigue and Stress in Student Pilots
Kelley, Edward Richard	1924	Atharva Vaibhav Thakur† (Science)	DAGPA++: Scalable and Stable Differentiable Constraint-Based Causal Discovery
Kelly, Shaun Joseph	1330	Alex Jaguar Saldivar† (Polytechnic)	Programmatic Accreditation and the Current State of Aviation Management Programs
Kemper, Katherine Anne	1204	Ashley Alvarado† (HHS)	Stigma-related processes and psychological distress in college students with concealable chronic health conditions
Kemper, Katherine Anne	1400	Makenzie Lee Albert† (HHS) Muskaan Navin Nigam‡ (HHS)	Gender differences in reported sleep quality and relational closeness among college students with concealable chronic health conditions
Kenley, C. Robert	1214	Priyank Behera† (Science)	Bayesian Networks for Estimating Stiff Stochastic Systems
Kennell, Richard L	1937	Alexander J Weyer† (Engineering)	Identifying vulnerabilities in infrared range finders for transportation systems
Kenttamaa, Hilkka I	1922	Gauri Srinath† (Science|JMHC)	Comparison of Electron Ionization vs Chemical Ionization High-resolution Mass Spectrometry Libraries for Identification of Aliphatic Hydrocarbons
Keough, Brandon Matthew	1066	Lauren Elizabeth Johnson† (Science|JMHC)	Ice, Ice, Maybe: Depositional Origins of the Konnarock Formation, VA
Keough, Brandon Matthew	1466	Fiona Siobhan Kennedy† (Science) Ainsley Hadden† (Science) Lauren Elizabeth Johnson‡ (Science|JMHC)	Investigating the provenance of the Chulitna Terrane of Alaska: continental or oceanic origins?
Kessler, Sharon A	1858	Andrea Carmen Jacobson† (Science)	Impacts of V-ATPase mutations on autophagy efficacy under stress in Arabidopsis
Ketkar, Tarini Shrirang	1888	Nandika Sumesh Nambiar† (Engineering) Donna Jaison† (Engineering) Tanya Vijay† (Engineering) Bahar Xuan Aghili† (Engineering) Ya-Ting Wu† (Engineering) Sahasra Anjana Pillalamarri† (Engineering)	Fan Guard Optimization Studies
Khalifa, Amal	7127	Shruti Srivathsan† (Polytechnic)	Machine Learning Predicts Stress Resilience in L-Tryptophan Supplemented Tilapia
Khalifa, Amal	7129	Emma Joann Lytle† (PFW) Tia Ajay RaoRane† (PFW) Vaishnavi Kosuru† (PFW)	Modeling Endometriosis as a Systems-Level Disorder Through Data-Driven Subtype Identification
Khanialiakbari, Tahereh	1457	Khloe Jean-Marie Jeffries† (HHS)	Nuclear Imaging for an In Vivo Model Using MOC1 and MOC2 Cells
Kharjana, Inashua	1617	Avery Bean Brooks† (Science|JMHC)	Shallow Shear-Wave Velocity Structure of the Cascadia Forearc Basin

Name	Presentation	Students	Title
Kim, Andy Junghyun	8008	Alaila Mariah Jones† (HHS|Science) Prasiddhi Shivakumaran† (HHS|Liberal Arts)	An effect of recall on word recognition: assessing the interaction of anxiety induction and word valence
Kim, Beomjin	7091	Shaurya Beriwala† (Polytechnic) Amit H Jadhav† (Polytechnic)	Structured Image Evaluation via Multi-Persona VLM Decomposition
Kim, Bong Seok	7064	Gary Huang† (Engineering)	Symbolic Regression as a Correction Method for Vapor-Liquid Equilibrium Prediction
Kim, Garam	1098	Paul Kyu-Hwan Park† (Polytechnic)	Microstructure-Thermal-Mechanical Correlation for Feasibility Assessment of Recycled Thermoplastic Aerospace Composites
Kim, Hannah	1477	Stephanie Leon† (Engineering|JMHC)	How Simulation Interface Design Influences Student Cognition and Exploration in Semiconductor Education
Kim, Jaeeun	1057	Seungho Han† (Engineering) Leah Ye Eun Tak† (Engineering) Ruby Eskinder Woudneh† (Engineering)	Design of a Humanoid Robotic Hand for Enhanced Dexterity
Kim, Jaeeun	1286	Elvin Xuyang Li† (Engineering)	Improving interactions between humanoid robots and their environments by using series elastic actuators in joints.
Kim, Jaeeun	1358	Saran Nicole Wagner† (Engineering) Elijah Francis Guison-Dowdy† (Engineering) Michael Borokhov† (Engineering) Veronica Ruan-an Cheng† (Engineering) Jonathan Joseph Johnson‡ (Engineering)	Design of a Humanoid Robotic Hand for Enhanced Dexterity
Kim, Jaeeun	1551	Quinn Robert Traas† (Engineering) Gabriel Duarte Rengifo† (Engineering) Henry David Pham† (Engineering)	Facilitating space exploration through the creation of a humanoid robot hand capable of completing the same tasks as a human hand
Kim, Jaeeun	1653	Vedansh Gupta† (Engineering) Matthew Manuel† (Engineering) Ryan Patrick Cochran† (Engineering) Netra Rameshbabu† (Engineering) Bui Tu Uyen Nguyen† (Engineering) Parth Yadav† (Engineering)	Orientation of Servo Assemblies in Humanoid Robots for Space Exploration
Kim, Jaeeun	1839	Justin Zijie Gan† (Engineering) Alani Sofia Martinez† (Engineering|Liberal Arts) Tyler Ken Kikuno‡ (Engineering) Kyle Hymn Siu‡ (Engineering)	Design and Development of a Mobile Tendon-Driven Robotic Manipulation System
Kim, Jaeeun	1916	Milan N Shah† (Engineering) Chee Ying Tay* (Engineering|Science)	Achieving Dynamic Stability in a Full-Body Humanoid Robot Simulation using ROS2 for VIP Humanoid Robot Club
Kim, Jaeeun	1921	Lavanya Sridhar† (Engineering) Charlotte Eva Regnier† (Engineering) Maxwell David Hasenour‡ (Engineering)	VIP Humanoid - Robot Mounts for Testing
Kim, Jaeeun	9044	Moon Gi Min† (Science)	Migrating Reinforcement Learning Frameworks From MuJoCo to NVIDIA Isaac Gym
Kim, Kee Hong	1835	Andrew Patrick Folkers† (HHS) Anvi Bhatnagar† (HHS) Arni Prakash Bhatnagar‡ (HHS)	Modulation of Cigarette Smoke–Induced ROS Generation and Cytotoxicity by Aged Parsnip Extract and Falcarindiol in BEAS-2B Cells
Kim, Kwang Seob	7076	Rivaa Riyaz Lalani† (HHS|JMHC)	Predicting upcoming stuttering moments using machine learning classifications

Name	Presentation	Students	Title
Kim, Mingyu	9042	Juan Felipe McKendry† (Engineering) Krtin Akkineni† (Engineering) Eli Shamis† (Engineering) William Hamilton Barney† (Engineering) Robert J Queen† (Engineering)	Aerodynamic Analysis and Modification of Unlimited Class Pikes Peak Hill Climb Vehicle
Kim, Myeong Won	1464	Michelle Kane† (HHS)	“Inclusion Reflects Emotional Safety from direct contact, Not Just Social Attitude"
Kim, Myeong Won	1893	Hannah Marie Oyer† (HHS|JMHC)	Perceived Friendliness as a Pathway to Inclusion: Children’s Face-to-Face Interactions with Individuals with Disabilities and Inclusive Behavior
Kim, Peter Dongwook	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Kinzer-Ursem, Tamara L	1277	Anna Louise Kokosa† (Science|JMHC) Megan Webb‡ (Science)	Functionalized DNA tetrahedra nanostructures for delivery of siRNA across the Blood-Brain Barrier
Kinzig, Kimberly P	1256	Novalee Reese Glass† (Agriculture)	Assessment of Colonic Estrogen Receptor Expression in the Activity-Based Anorexia Model
Kistler, Brandon M	1059	Carla Hernandez† (HHS)	Effects of a Culturally Appropriate Snack on Sensory Evaluation and Cardiometabolic Outcomes in Hispanic/Latino Individuals: A Pilot Study
Kistler, Brandon M	1336	Kara Olivia Shields† (HHS)	A survey of inpatient nutrition care for people with chronic kidney disease
Knight, Coralie Brown	1064	Daniela C Islas† (HHS|Liberal Arts|JMHC)	Age and Sex Differences in Brain Metabolism and Motor Function
Knight, Coralie Brown	1800	Lissette Mariel Aguiar† (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC) Ashley Nicole Mitchell* (HHS)	From Exposure to Emotion in Welders: Does Metabolism in the Anterior Cingulate Cortex Play a Role?
Knight, Coralie Brown	1885	Ashley Nicole Mitchell† (HHS) Lissette Mariel Aguiar* (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC)	Quantitative MRI Indicators of Brain Manganese and Iron
Koh, Eileen	1863	Carlyn Elizabeth Ketcherside† (Engineering) Blanka Helena Bak† (Engineering) Ryan Francis Chemmanoor† (Engineering) Veadesh Dhanasekar† (Engineering)	ICE 40 Battleship Game
Kokan, Zainub Aamir	1848	Aarushi Gupta† (HHS|Liberal Arts|JMHC) Lorellei Estella ro Fletcher† (HHS|JMHC) Layna Sue Herzog† (HHS|JMHC) Shivani Sivakumar† (HHS|JMHC) Tamanna Kokan* (Engineering) Shauryeh Raj Kapur* (Engineering|JMHC) Rhema Ann Navin* (HHS|JMHC) Camille Anais Grei Jorenby* (Engineering|JMHC)	Supporting Youth Needs Through Community-Based Afterschool Programming
Kokan, Zainub Aamir	9031	Tamanna Kokan† (Engineering) Anna Rose Pruden† (Science|JMHC) Aarushi Gupta* (HHS|Liberal Arts|JMHC) Ayomikun Akinkuehinmi* (HHS|JMHC)	Meeting the Needs of Families Involved in Afterschool Programs
Kolbinger, Fiona	3005	Steven Tibor Kiss† (Science)	Artificial Intelligence for Prediction of Post-Pancreatectomy Textbook Outcomes in Pancreatic Ductal Adenocarcinoma

Name	Presentation	Students	Title
Kolbinger, Fiona	7019	Medha Belwadi† (Science)	Spatiotemporal Explainability of AI Models for Critical View of Safety Assessment in Laparoscopic Cholecystectomy
Kong, Nan	1247	Gabriel Figueiredo Barbosa† (Engineering)	Adaptive Surrogate Modeling for Rare Synchronization Event Discovery in Immune Digital Twins
Kong, Nan	1318	Ramya Prasanna† (Science|JMHC)	A Machine Learning-Derived Immune Transcriptomic Signature for Breast Cancer Prognosis Across Independent Cohorts
Kong, Nan	1434	Carly Melissa Frith† (Engineering|Liberal Arts) Wei-Yun Liu† (Engineering) Julian Vincent Netherwood‡ (Engineering) Lucas Soldano‡ (Engineering) Niousha Pajouyan‡ (Engineering) Owen Jacob Lee‡ (Engineering) Prithika Rashmi Gopal‡ (Engineering) Rhys Marie Shilling‡ (Engineering) Sahitya Shivany Satish Kumar‡ (Engineering) Nathan James Arnold* (Engineering) Victor Ionut Ene* (Engineering) Parth Kailash Dubal* (Engineering)	Autonomous Emergency Response UAV for Rapid NARCAN Delivery
Koslowski, Marisol	1838	Higor Galina Pozza† (Engineering)	Computational Modeling of High Strain-Rate Deformation and Fracture
Kouvaras Ostrowski, Anastasia	7036	Hiya Samanta† (Science|JMHC) Arin Bhave† (Engineering) Henry J Lee* (Science|JMHC) Siya Chirag Jariwala* (Science|JMHC)	Co-design and Development of VR Cave Experience for Geoscience Students
KPS Mohan, Saandiya	1500	Allison Margaret Neff† (DSB) Byron Qi† (Science) mayank Agarwal† (Engineering) Parth Kapila† (Polytechnic) Rhea Rajendra‡ (Science)	From Manual to Agentic AI: Redesigning Workflows with Predictive AI and Automation
Krause moras, Bruno cesar	1530	Neelesh Sarathy† (Science)	The Influence of Policies in Battery Electric Vehicle Adoption – A Machine Learning Study
Krishna, Ashima	9043	Sanya Mehra† (Science|JMHC)	Student-centered Community-engaged Undergraduate Research Experiences (SCURE): Enhancing Interdisciplinary Student Learning in Research Projects
Krusemark, Casey J	7096	Jocelyn Yang† (Science)	In situ conversion of carboxylic acids, alcohols, and amines to aldehydes for DNA-encoded library construction
Kuhn, Jonathan R	1324	Hunter Thomas Ridgley† (PWL)	Short-term vs. Lifetime Welding Fume Metal Exposure: A Bayesian Network Analysis of Neurobehavioral Effects
Kuhn, Richard J	1640	Colton Joseph Forrest† (Science)	Generation of Reporter HCV-SINV Chimera for the Structural Study of HCV Envelope Glycoproteins
Kulkarni, Ritwik Vijaykumar	1268	Xavier L Ish† (Engineering)	Degradation of Thermal Interface Materials in Submerged Conditions
Kulkarni, Ritwik Vijaykumar	1760	Ammar M Mukadam† (Engineering)	SCALE: Physics-Informed Machine Learning for Predicting Thermal Interface Material Degradation
Labi, Samuel	1117	Sofi Zhang Schmitt† (Engineering) Abhi Theo Hakhu† (Engineering) Akul Goyal† (Engineering) Brian Wu† (Engineering)	Probabilistic Collision Mitigation for Low Earth Orbit Satellites

Name	Presentation	Students	Title
Labi, Samuel	1146	Alexander Haitian Zhang† (Engineering) Alexander Lam Nguyen† (Engineering) John Michael Wyman† (Engineering) Mohamed Mahmoud Zaitoun† (Engineering) Siddhant Monish Tandale† (Engineering)	Comparative Analysis of NRHDG and NMPC Frameworks for Autonomous Drone Racing
Labi, Samuel	1292	Suhani Mathur† (Engineering) Shaunabh Bose† (Engineering) Kareem AbdelHameed Hassan† (Engineering) Farah Moussa† (Engineering)	Adverse Weather Effects on Multi-Sensor Autonomous Driving
Labi, Samuel	1556	Steven James Van Hulle† (Science) Joshua John Beigel† (DSB) Jacob Charles Long† (Engineering) Margulan Mukhametkarim† (Engineering) William David Bridgnell† (Engineering) Alexander Michael Gansler‡ (Engineering|JMHC) Alexander T Valdes‡ (Engineering) Andrew Joseph Shelley‡ (Polytechnic)	NSWC AIMM ICC Autonomous Boating Challenge
Labi, Samuel	1673	Griffin Xander Kanzeg† (Engineering) Benjamin Tianming Sun† (Engineering) Marco Alexander Wilson† (Engineering) Suraj Ketan Patel† (DSB)	Human-Informed Real-Time Autonomous Control System for Go-Kart Navigation
Labi, Samuel	1709	Paresh Pobbati† (Engineering) Andrew Ryan Davidson† (Science|JMHC) Kush Aklank Kodiya† (Science) Basant Sharma† (Science|JMHC)	Kalman Filter Based Sensor Integration For Go-kart localization
Labi, Samuel	1744	Zhishan Wang† (Engineering) Kaijie Zhu† (Engineering) Kieran Venkat Desireddi† (Engineering) Zheng Qing† (Engineering) Jacob Junjie Zhang† (Engineering) Brian Sam Lee† (Engineering) Jacob Forrest† (Engineering)	Controller Design for Autonomous Racing Vehicle
Labi, Samuel	1751	David Michael Yuhas† (Engineering) Ibrahim Shahid† (Engineering) Matthew Douglas Frago† (Engineering) Ethan Keid Chen† (Engineering) Pedro Andres De Jesus Velez† (Engineering)	Autonomous Go-Kart Training Algorithm Mechanical Sub-Team Spring 2026
Labi, Samuel	1806	Yash Rajendra Ashtekar† (Engineering) Arin Kedar Swadi† (Engineering) Sehyeong Yeom† (Science) Aidan Kwan† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Real-Time Path Planning and Trajectory Optimization for Autonomous Motorsports
Labi, Samuel	1827	Bea Alyannah Magsayo Cortes† (Engineering) Aryav Gogia† (Engineering) Aiden Tian† (Engineering) Akram Reda Mahmoud† (Engineering) Muhammadaziz Sahibnazarov† (Engineering)	Autonomous Go-Kart: Perception and Simulation
Labi, Samuel	1834	Aya Wael Mohammed Tawfik Elghayaty† (Engineering) Siddarth Balaji Calidas† (Engineering) Liam Thomas Yates† (Science) Aadya Rangole† (Science) Connor Benjamin Coladonato‡ (Engineering) Manasvi Meka‡ (Science|JMHC)	Extreme Conditions SLAM: A High-Speed Weather Resistant Simultaneous Localization and Mapping Implementation
LaCroix, Arianna Nicole	1452	Anna Leigh Huston† (HHS)	Barriers to Manufacturing Employment for Veterans with Traumatic Brain Injury: Employee and Employer Perspectives
Laddha, Manas	1849	Annelie Kate Gustafsson† (Engineering) Kaitlyn Elizabeth Calland† (Engineering|JMHC) David Edward Jakel† (Engineering)	Vibrational Analysis of CubeSats

Name	Presentation	Students	Title
Ladisch, Michael R	1261	Leticia Lie Hashimoto† (Agriculture|Engineering)	Lipids production via yeast fermentation of liquefied soybean hulls
Lai, Jingyi	1734	Kevin Su† (Engineering) Joseph Wang† (Engineering) Adam Eunwoo Song* (Science) Cade Michael Stogsdill* (Engineering)	Intelligent Construction Specification Checker: Automating Compliance via LLMs and Digital Twins
Lai, Jingyi	1945	Yanming Zhou† (Science)	Heuristic-Based Accessible Path Generation for Automated ADA Compliance Checking in Architectural Floorplans
Lai, Jingyi	9056	Adam Eunwoo Song† (Science) Cade Michael Stogsdill† (Engineering) Joseph Wang* (Engineering) Kevin Su* (Engineering)	Automating steel structure construction through computer vision compliance and virtual simulation
Lai, Jou-Ting	1756	Geetika Chitturi† (Engineering|JMHC)	SCALE: Resistive Random-Access Memory Modeling and Fabrication for In-Memory Computing in the Back-End-of-Line
Lai, Sean Yenyu	1759	Timothy P Malloy† (Engineering|JMHC)	SCALE Solder Alloy Characterization Techniques for Microelectronic Reliability Insights
Lai, Xuanying	7085	Ian William Jack† (Engineering|JMHC)	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Laily, Alfu	1606	Indira Jayraj Amin† (Science|JMHC)	Perceived Channel Beliefs of Mass and Social Media and Human Papillomavirus Vaccine Uptake among Rural Indiana Residents
Landis, Benjamin	1020	Ojas Chaturvedi† (Science|JMHC) Julia Kang‡ (Science) Julian Vuong‡ (Engineering) Justin Zhao‡ (Science) Suhani Yadav‡ (Science|JMHC) Yewon Choi‡ (Polytechnic)	Comparison of Loss Functions for Transformer-Based Automated Aortic Root Segmentation in Pediatric Marfan Syndrome
Landis, Benjamin	1559	Julian Vuong† (Engineering) Joshua Paik‡ (Science)	Interobserver Variability of GUI-Based Echocardiographic Measurements for Pediatric Marfan Syndrome
Landis, Benjamin	1626	Yewon Choi† (Polytechnic) Ojas Chaturvedi‡ (Science|JMHC) Julia Kang‡ (Science) Suhani Yadav‡ (Science|JMHC) Justin Zhao‡ (Science) Julian Vuong‡ (Engineering)	Automated Measurement of Aortic Root Diameters from Pediatric Echocardiographic Videos Using Foundation Models
Langenhoven, Petrus	1102	Sol Nicolas Perez Liska† (PWL)	Measuring nutrient dynamics of Black Soldier Fly (Hermetia illucens)-derived soil amendments in greenhouse tomato production
Laskin, Alexander	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Laskin, Julia	1426	Ronald Anton Cutler† (Science)	Exploring the Effects of Modifications to Metal Chalcogenide Clusters Using Mass Spectrometry
Laskin, Julia	1430	William Joseph Eberhart† (Agriculture)	Evaluating Signal-to-Noise Enhancement of Biomolecules in Electrospray Ionization Using Nanobubbles

Name	Presentation	Students	Title
Laskin, Julia	1546	Erik Robert Sveen† (Science)	Online and On-Tissue Derivatization Enhances N-Glycan Signal for nano-DESI Mass Spectrometry Imaging
Laskin, Julia	1713	Margot Eleni Rechin† (Science)	Native Mass Spectrometry of Carbonic Anhydrase and its Inhibitor Complexes
Laskowski, Leon Filip	7043	Victoria Isabella Porter† (Science)	Defining Activator-Dependent Regulation of Constitutively Active PLCb Mutants
Lau, Holman	9027	Margaret Ellen Heritage† (Engineering|JMHC) Ishaan Breinig* (Engineering)	Development of a 1D Coaxial Heat Exchanger Performance Model and Experimental Setup Reconstruction
Laux, Chad	1728	James Arthur Spezzano† (Engineering|JMHC) Sean Ross Klein‡ (Engineering) Kevin Yu‡ (Engineering) Wei Lun Chang‡ (Engineering) Bobby Gu‡ (Engineering)	Nondestructive Tests for Counterfeit Integrated Circuit Detection
Layman, Brady Robert	1414	Daniel Michael Carrel† (Science)	Electrochemical Output Elucidates Sub-Diffraction Limit Bubble Activity in Aqueous and Organic Phases
Lee, Chang Geun	1686	Shane Kevin Limas† (HHS|JMHC)	Evaluation of Respiratory Protection Devices Against Manual Metal Arc Welding Fumes Using a Simulated Breathing Head Model
Lee, Ji Yeon	1291	Divya Raghvendra Manvikar† (Engineering) Rachel Catherine Ellis‡ (HHS) Megan Ann Bogemann‡ (HHS)	Structural Priming Treatment Enhances Discourse Production in Aphasia
Lee, Ji Yeon	1534	Lourdes Beatriz Segura† (HHS|Liberal Arts|JMHC)	Extending Structural Priming Training from Sentence to Discourse: A Pilot Study in People with Aphasia
Lee, Ji Yeon	1676	Marissa Corrin Killion† (HHS) Allison Elizabeth Weber† (HHS) Abigail Grace Bolton† (HHS) Rachel Lilly Turner† (HHS)	Improving Sentence Production in Aphasia Through Structural Priming Treatment
Lee, Jungmin	1268	Xavier L Ish† (Engineering)	Degradation of Thermal Interface Materials in Submerged Conditions
Lee, Linda S	1285	Shalem Lee† (Science)	Evaluation of Potential Desorption of Per- and Polyfluoroalkyl Substances from Compost Covers
Lee, Linda S	1941	Kentaro Yamauchi† (Agriculture)	Measuring Surface Soil PFAS Levels in Northwestern Indiana
Lee, Sohee	1493	Claire Lynn Mizimakoski† (HHS)	Adoption Process Openness and Children's Anger and Frustration in Middle Childhood: The Role of Birth-Mother Contact
LeGrand, Samantha Elizabeth	1421	Effie Cobbett† (Engineering) Samuel Aaron Brodsky† (Engineering) Gabrielle Vonder Embse‡ (Science) Preston Ming Cheng‡ (Engineering)	Campus Climate: Analyzing Rhetoric of Student Produced Environmental Information at Purdue University
LeGrand, Samantha Elizabeth	1465	Aditya Kapoor† (Engineering) David Lu† (Polytechnic) Shriya Shukla‡ (Engineering) Evelyn Addison Graham‡ (HHS)	Social Media Strategies for Encouraging Exercise among University Students
LeGrand, Samantha Elizabeth	1506	Jaser Ahmed Pallikonda Latheef† (HHS) Amogh Shrivastava‡ (Engineering) Pratik Guha‡ (Liberal Arts|Polytechnic) Khang Tran Uyen Nguyen‡ (DSB|Polytechnic)	Evaluating the Integration of Constructivist Learning Principles in VR 3D-Modeling User Interfaces
Leitch, Stephen R	1011	Maheka Bhalla† (DSB)	Using Data Analytics to Improve Efficiency at Campus Starbucks

Name	Presentation	Students	Title
Leitch, Stephen R	1031	Saachi K Dhiman† (DSB) Caitlyn Yuchong Cai† (DSB) Ethan James MacKinnon† (DSB) Courtney Bair† (DSB|JMHC) Ellie Kathleen Hinch† (DSB)	Redefined Marketing Plan for Classic Cleaners
Leitch, Stephen R	1091	Katelyn Faith Moss† (DSB) Eleanor Rose Marron† (DSB) Rhea Agarwal† (DSB) Maura Elizabeth O'Donohue† (DSB) Emilee Rose Balzer† (DSB) Olivia Rose Poulopoulos† (DSB)	Optimizing Digital Strategy in the Entertainment Industry: A Case Study on Outrage Smash Therapy
Leitch, Stephen R	1332	Skyler Grace Scheuneman† (DSB) Aidan Avery Main† (DSB) Brayden J Wolff† (DSB) Stella Grace Seymour† (DSB) Lucas Matthew Reidelbach‡ (DSB) Gregory J Mates‡ (DSB)	Business Case Study: LTHC Homeless Services
Leitch, Stephen R	1412	Jessica Nicole Butler† (DSB) Hannah Nicole Rusk† (DSB) Jennifer Marie Osborn† (DSB) Hannah Dale VanDeventer† (DSB) Alexis Nicole Coberg‡ (DSB) Shelby Nickole Rice‡ (DSB)	How successful are promotions? A business case study analyzing Greyhouse Coffee.
Leitch, Stephen R	1420	Jeremy Francis Ciaramella† (DSB) Evan Reed Francis† (DSB) Ashlyn Marie Jewell† (DSB) Yanxi Liu† (DSB) Madison Nicole Gaydos‡ (DSB)	Sweet Growth: Digital Strategy Research for Wolf's Chocolates
Leitch, Stephen R	1439	Morgan Elizabeth Grogan† (DSB) Blake George Dombrowski† (DSB) Alexis Madison Calderon† (DSB) Shayne Robert Julian† (DSB) Matthew Robert Krunnfusz† (DSB)	Purdue Theater Ticket Sales: A Case Study
Leitch, Stephen R	1501	Madison Grace Niehaus† (DSB) Olivia Noelle Wright† (DSB|Liberal Arts) Stephanie Elizabeth Camacho Calderon† (DSB) Pooja Madhav† (DSB) Kylee Ruth Helen Lucas† (DSB)	Purdue RecWell Project
Leitch, Stephen R	1516	Morgan Lynn Rawlins† (DSB) Lily Christina Madden† (DSB|Liberal Arts) Austin William Harszy† (DSB) Min Yen Truong† (DSB)	Sponsorship Marketing Effectiveness at the Indianapolis Zoo
Leitch, Stephen R	1520	Jackson Wayne Rodewald† (DSB) Abigail Pence† (DSB) Elsie Grace Ahnert† (DSB) John Michael Dabler† (DSB) Anonda Julia Jones† (DSB) Aryan Jason Mascarenhas‡ (DSB)	Closing the Engagement Gap in Collegiate Athletics: A Data-Driven Analysis of Purdue Women's Soccer Attendance and Engagement
Leitch, Stephen R	1547	Joshua Tan† (DSB) Gage Hunter Rodriguez† (DSB) Arin Patil† (DSB) Aryaman Arora† (PWL) Henry Grant Westrick‡ (DSB)	Data-Driven Insights for Increasing Engagement and Purchases
Leitch, Stephen R	1558	Rachel Rhianna Vorst† (DSB) Elizabeth C Braunschneider† (DSB) Ruth Abigail Kautzmann† (DSB) Lily Grace Huntington‡ (DSB)	Costs of Controversy: Analyzing Brandy Melville
Leitch, Stephen R	1602	Jadyn Rose Ahrens† (DSB|HHS) Moemi Keiko Dougherty† (DSB|HHS) Yanxi Liu† (DSB) Maxwell Paul Burns† (DSB)	Patterns in Purchase: Measuring Saxbys Coffee Customer Behavior

Name	Presentation	Students	Title
Leitch, Stephen R	1650	Nomi Aden Green† (DSB|Liberal Arts) Jordan Christopher Brown† (DSB) Bryce Carlton Bryant† (DSB) Wyatt Owen Rose† (DSB) Sydney Elise Wheeland† (DSB)	The Crossroads of Streaming and Vinyl: A Case Study of Black Wax Records
Leitch, Stephen R	1659	Deborah Gingsee Ho† (DSB) Cindy Ying Niu† (DSB) Vaishnavi G Janaki† (DSB) Minjae Kim† (DSB) Jacob Thomas Mancu‡ (DSB) Asher James Vincent Beckey‡ (DSB)	Tsaocaa Business Case
Leitch, Stephen R	1702	Aryoni Osorio† (DSB) Cloe Rae Byrd† (DSB) Ella Marie Katsaros† (DSB) Rian Lynn Cunningham† (DSB)	Business Case Study - Another Broken Egg - West Lafayette
Leitch, Stephen R	1733	Elle Miriah Stowers† (DSB) Olivia Anne Feehan† (DSB|Liberal Arts) Aubrey Janell Kennelly† (DSB) Silas Cameron Bowman† (DSB) Emma Grace Day† (DSB)	BabyShip Creating a Marketing Strategy That Lasts
Leitch, Stephen R	1833	Sydney M Eckert† (DSB|Liberal Arts|JMHC) Brue Dhecree Cooperrider Young† (DSB) Cameran Mai Lancaster† (DSB) Addison Taylor Laub† (DSB) Sophia Marie Galvin‡ (DSB)	Movie Theaters v. Streaming Services: How Marketing Matters
Leitch, Stephen R	1840	Varsha S Ganesh† (DSB|Liberal Arts) Beckett Edwin Adler† (DSB|Liberal Arts) Neve Son† (DSB|Liberal Arts) Isaac H Blaskie† (DSB)	Analyzing Seasonal Customer Behavior to Develop Off-Season Growth Strategies for Noble Hawk Golf Links
Leitch, Stephen R	1872	Mason Andrew Lee† (DSB) Jackson Reece Bauer† (DSB) Preston Michael Down† (DSB) Lucas James Collier† (DSB) Noah Yahng Pieters† (DSB)	Data-Driven Dining: An Insight into College Eating Habits to Support Local Restaurants
Leitch, Stephen R	3006	Jack Fisher Levitan† (DSB) Austin Martin Robinson† (DSB) Steven David Banks† (DSB) Evan Michael Koch† (DSB) Riley Thomas Grzelak‡ (DSB)	Increase Revenue Art Mart
Leitch, Stephen R	3009	Ainsley Kaye Powers† (DSB) Andrew Stephen Latino† (DSB) Leila Lashgari† (DSB) Noah James Gier† (DSB) Sean James Rodgers‡ (DSB)	Undertsanding Student Engagement with Pizza Uncommon
Lennon, Mary Ellen	7136	Luke Michael Minniear† (Agriculture|Education) Jenna Mesker† (Education|Liberal Arts) Emma Krista JiaFu Runyan† (Education|Liberal Arts|JMHC)	Listening to Teacher Identity: Reflexive Thematic Analysis of Pre-Service Teacher Audio Reflections
Lentz, Grace Nicole	7040	Hannah Elizabeth Kmetz† (Agriculture)	Public Perception in Conservation Planning: Understanding Influencing Factors on Northwest Indiana Threat and Investment Perceptions
Leonard, MiKaila	1204	Ashley Alvarado† (HHS)	Stigma-related processes and psychological distress in college students with concealable chronic health conditions
Leonard, MiKaila	1400	Makenzie Lee Albert† (HHS) Muskaan Navin Nigam‡ (HHS)	Gender differences in reported sleep quality and relational closeness among college students with concealable chronic health conditions

Name	Presentation	Students	Title
Leung, Yuk Fai	1553	Mia Kuang Wen Tsou† (Science) Jillian New‡ (Science)	Defining the Treatment Period for Drug Screening in Zebrafish Models of Retinitis Pigmentosa
Lewis, Wade	1090	Chawin Mingsuwan† (Polytechnic) Avery LeRoy Dellinger† (Polytechnic) Salvador Ayala† (Polytechnic) Russell Louis Thomas† (Liberal Arts|Polytechnic) Tran Nguyet Anh An‡ (Liberal Arts|Polytechnic|JMHC) William Morris Cromer‡ (Polytechnic) Ryan Joonsuh Ahn‡ (Polytechnic)	Evaluating a Virtual Reality Representation of the Mission Control Center with an Intelligent Virtual Agent for NASA's Space Operations
Li, Can	1246	Tianhong Feng† (Science) Parthav Garg† (Science) Kaushik Attuluri† (Science) Ajay Rajaram Bharanidhar† (Science) Nathan Nguyen† (Science)	AI for Constrained Optimization
Li, Can	7108	Renan Matheus da Silva Florencio† (Engineering)	Agents for Optimization Proofs of Equivalence
Li, Christopher Hou	7085	Ian William Jack† (Engineering|JMHC)	High-Optical-Depth Cold Atom Ensemble for Narrowband Entangled Photon Generation
Li, Haitong	1756	Geetika Chitturi† (Engineering|JMHC)	SCALE: Resistive Random-Access Memory Modeling and Fabrication for In-Memory Computing in the Back-End-of-Line
Li, Haiyan	1809	Fabrizio Baca Salazar† (Engineering) Wang Xu† (Liberal Arts) Ana Gabriela Gomez Orillac† (Liberal Arts) Jose Fernando Claros Saavedra† (HHS|JMHC)	Third Spaces of Faith and Belonging: A Qualitative Study of Student-Led Religious Organizations
Li, Haiyan	1890	Quynh Lam Nguyen† (Science) Ruei Yu Huang† (DSB) Zheng Fang† (Science) Gia Phong Phuong† (Engineering)	Meal Swipes vs. Dining Dollars: Preference and Allocative Efficiency in a midwest public university dining system.
Li, Haiyan	1933	Bozhi Wang† (Agriculture) Dung Hanh Bui† (Science) He Mao† (DSB) Mingyang Yin† (Agriculture)	Psychological Well-Being among Asian Female students in Male-Dominated Majors
Li, Haiyan	1936	Manyang Wei† (Science) Meiling Wang† (Engineering) De-Rui Wen† (Science) Sichen Gu† (Agriculture)	Influencers, Body Image, and Campus Fitness Culture
Li, Husheng	1251	Connor Bradley Frey† (Science) Maya N Kobeissi† (Engineering) Andrew Thomas Choung† (Engineering) Muhammad Waliyullah Fazili† (Engineering) Mason Bowyoung Liu† (Engineering) James Patrick Graham† (Engineering) Luca Piero DalCanto† (Engineering)	Beyond 5G VIP
Li, Husheng	1819	Jose Eduardo Carlos Castilho† (Engineering)	Radar-based SLAM for low-density and high-noise measurements
Li, Junfei	3201	Chen Han Chan† (Engineering)	Filterless Air Purification via Acoustic Radiation Force for Coarse Particle Removal in Tractor Engine Systems
Li, Linlin	1121	Leonor Antunes Sinogas† (Science)	Resolution Restoration of Two-Photon Dendritic Spine Images Using Deep Learning Based Algorithms
Li, Linlin	1611	Garv Atri† (Liberal Arts|Science)	AI Model to Convert Image Regions into Vertex Models
Li, Linlin	1920	Harjot Singh† (Polytechnic)	Drosophila Wing Image Segmentation Abstract

Name	Presentation	Students	Title
Li, Linlin	7134	Aaryan Shandilya† (Engineering)	Validation Testing of EMBRIO Multiscale Modeling Code for Reproducible Biological Modeling Education
Li, Qingchun	7066	Khoi Xuan Mai† (Science)	Private Electric Vehicle Charger Adoption and Its Effects on Local Mobility and Fuel Use
Li, Ray	1657	Bridget Rosemary Heffernan† (Engineering) Dhruti Syamala Ivaturi† (Engineering) Joyce Chen† (Engineering)	Effect of Herringbone Depth on Mixing Efficacy in Microfluidic Chips
Li, Tongcang	1639	Junchi Feng† (Science)	Optically Detected Magnetic Resonance (ODMR) Scan on 2D materials
Li, Tonglei	1485	Nicole K Lu† (Pharmacy|JMHC) Evelyn Hua-En Feng† (Pharmacy|JMHC)	Traditional Chinese Medicine (TCM): Prospects of Western Integration
Li, Yini	7094	Noah Strawhacker† (Science|JMHC)	Epitranscriptomic disruption by m6A and m5C mutations contributes to neural dysregulation in ALS
Li, Yuanhe	1491	Triton Mei† (Temporary)	Neural Network-Based, Uncertainty-Aware Spectroelectrochemical Prediction of Electrochromic Polymers
Li, Yue	8009	Erin Rhyse O'Donnell† (Liberal Arts|JMHC) Samuel Isaiah Piper† (Agriculture|Liberal Arts|JMHC) Tara Wong† (Liberal Arts) Amy Kathleen Genz‡ (Liberal Arts|Science) Alejandro Sebastian Gonzalez‡ (Liberal Arts) Hannah Grace Barsoum‡ (HHS|Liberal Arts)	Effects of discourse-related factors on relative clause extraposition
Li, Yue	8012	Alejandro Sebastian Gonzalez† (Liberal Arts) Hannah Grace Barsoum† (HHS|Liberal Arts) Amy Kathleen Genz† (Liberal Arts|Science) Tara Wong‡ (Liberal Arts) Samuel Isaiah Piper‡ (Agriculture|Liberal Arts|JMHC) Erin Rhyse O'Donnell‡ (Liberal Arts|JMHC)	The role of phrase length in relative clause extraposition
Li, Yue	8016	Marley Grace Mack† (Liberal Arts) Alejandro Sebastian Gonzalez‡ (Liberal Arts) Amy Kathleen Genz‡ (Liberal Arts|Science) Tara Wong‡ (Liberal Arts) Hannah Grace Barsoum‡ (HHS|Liberal Arts) Samuel Isaiah Piper‡ (Agriculture|Liberal Arts|JMHC) Erin Rhyse O'Donnell‡ (Liberal Arts|JMHC)	Effects of verb type and prior context on the production of relative clause extraposition in English
Liang, Jingjing	3100	Oviya Arulraj† (Science)	Mapping forest tree structural complexity across Oceania using ground-measured data and machine learning
Liao, Jian	1123	Vincent Cody Stavig† (Science) Aditya Srinivasan† (Science)	Exciton Formation in Two-Dimensional Moiré Devices
Lieng, Matthew	1252	Madelyn Grace Gaeta† (HHS)	A Qualitative Examination of Parental Racial-Ethnic Socialization (RES) Experiences of Multiracial Adolescents: What RES messages do Multiracial adolescents find valuable for their racial-ethnic ident
Lin, Guang	1293	Purav Matlia† (Science)	Scalable and Uncertainty-Aware Operator Learning via Quantum Deep Ensembles
Lin, Guang	1665	Krish Jain† (Science) Mrigna Goel† (Science)	GenAI-Driven Semantic Verification for Neural Math Theorem Proving

Name	Presentation	Students	Title
Lin, Guang	1682	Caleb Eunho Lee† (Science) Sudhanva Anand Deshpande† (Engineering)	Conditioned MeanFlow Generative Models for Scientific Machine Learning in Multi-Physics PDE Systems
Lin, Zhengliang	1311	Katherine Xiaoxing Pesetski† (Engineering|JMHC) Boyang Wu* (Engineering) Haoyang Hu* (Engineering)	Development of an Automated Test Platform for High-Throughput Device Testing
Lin, Zhengliang	9051	Sandeep Saravanakumar† (Engineering|JMHC)	Investigation of Ni-Fe, BaTiO3 Vertically Aligned Nanocomposite Memristors.
Lindemann, Stephen R	1060	Yara Zaidoun Hijaz† (Science|JMHC)	Structural and Functional Characterization of GH43 Enzymes in Sorghum Arabinoxylan Degradation
Lindemann, Stephen R	1136	Lea Camille Vojslavek† (Science) Yara Zaidoun Hijaz‡ (Science|JMHC) Jasmine Rae Harper* (Science|JMHC)	Effectiveness of DMSO in Cryoprotection of Escherichia coli Strains
Lindemann, Stephen R	1217	Alexis Lucille Ador Bernal† (Agriculture|Engineering)	Using Fluorescence and Optical Density to Model Bacterial Cell Concentration
Litts, Alexander William	9007	Henry Cai† (Engineering)	Enhanced Detection Methods for Chiral Microspectrophy
Liu, Bozhi	1215	Mikayla E Bell† (Science)	Assessing VEGFR3 signaling as a potential therapeutic target for radiation-induced angiosarcoma (RIAS)
Liu, Bozhi	1818	William Richard Budka† (Science)	Effect of Enoxacin on Radiation-induced angiosarcoma
Liu, Huilong	9058	Laasya Thiagarajan† (Engineering)	SCALE Pt-Based Halide Perovskites and BiVO4 Photoanodes for Energy and Heterogeneous Integration Applications
Liu, James	7076	Rivaa Riyaz Lalani† (HHS|JMHC)	Predicting upcoming stuttering moments using machine learning classifications
Liu, Jianghui	1622	Pranavie Chandrakumar† (Science|JMHC)	Cleaning as an Indoor Air Pollution Source: Emission and Exposure of Secondary Organic Aerosol
Liu, Julie C	1570	Yuan Heidi Yue† (HHS|Science|JMHC)	Cerebrospinal Fluid Affects Nanoparticle Aggregation, Binding, and Transport in Collagen-Based Matrices
Liu, Junli	1261	Leticia Lie Hashimoto† (Agriculture|Engineering)	Lipids production via yeast fermentation of liquefied soybean hulls
Liu, Peiran	1631	Lakshmi S Darapureddy† (Engineering)	Decoding Hand Activity Level–Threshold Limit Value Using Integrated IMU–Tactile Sensing
Liu, Pi Ju	1403	Christy Aoun† (HHS) Reigan Kay Nies† (HHS)	Cognitive Status and Social Media Abuse Patterns in United States Long-Term Care Facilities
Liu, Sa	1074	Matthew H Klein† (HHS) Jacob Alan Malone‡ (HHS|Liberal Arts|JMHC) Alexander Miroslav Todorov* (HHS)	VOC Exposure Profile for AVGAS Exposed Airport Workers
Liu, Sa	1203	Leina Lanuola Alofa-Aders† (HHS)	Household Sources of Tetrachloroethylene in Martinsville, IN
Liu, Sa	1351	Alexander Miroslav Todorov† (HHS) Matthew H Klein* (HHS)	The Flavor of Purdue University's Campus Drinking Water and its Correlation to Contamination by Arsenic, Copper, and Lead

Name	Presentation	Students	Title
Liu, Yue	1320	Rishika Ramakrishnan† (Science) Nanda Sreetha Binod† (Science) Namita Rohidas Sharma† (Science)	Modeling Multi-Dimensional Opinion Dynamics on Adaptive Networks
Liu, Yuning	7047	Pablo Arriagada Turrent† (Science|JMHC) Rachel Marie Miskelly† (Science|JMHC)	Genetic Engineering Knock out of CD9 on Natural Killer cells for Glioblastoma Multiforme Immunotherapu
Liu, Yunzhe	1093	Prisha Grace Mungara† (Science) Riya Singh† (Science)	AI SHARE: Building the Global AI Attitudes Research Portal
Long, Jiaxin	1928	Elysia Marlena Uggen† (Agriculture|JMHC)	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Lopez, Jonathan	1723	Jabez Soongeui Shin† (Science) Stiwar Albeiro Catano Cardeno‡ (PWL)	Effect of artificial light at night and traffic noise on tadpole morphology and physiology
Lopez, Jonathan	7002	Megan Elizabeth Lawson† (Liberal Arts|Science)	The effects of abnormal temperature patterns on Batrachochytrium dendrobatidis density and size in vitro
Lottes, Aaron Edward	1678	Shreya Krishnan† (Engineering) Shivum Alok Nijhawan† (Engineering) Alyssa Wan† (Engineering) Ian Kwan Yin Lam‡ (Science) Ongshu Dutta‡ (Engineering) Ava Seto‡ (Engineering) Ethan C Li‡ (Engineering) Dhruti Syamala Ivaturi‡ (Engineering) Shushil S Rao‡ (Engineering) Diego Alejandro Hernandez Acosta‡ (Engineering) Sounish Ghosh‡ (Engineering) Varun M Senthil‡ (Engineering) Twinkal Barai‡ (Engineering)	A Novel Sleeve for Deep-Vein Thrombosis Detection
Lottes, Aaron Edward	7000	Shreya Prakash† (Engineering) Hannah Jordan Margulis† (Engineering|JMHC) Krish Majumdar† (Science) Isha Varshney‡ (Engineering) Zion Maurice Julius Hackett‡ (Agriculture|Engineering) Tashi Vasudeva‡ (HHS) Aidan Hirsch‡ (Engineering) Madhava Sampreet Veduri‡ (Engineering) Sabrina Louise Gray‡ (Engineering) Supreet Mishra‡ (Engineering) Ariel Scout Hudson‡ (Engineering) Ayush A Kabirpara* (Engineering|JMHC) Rishaan Ponna* (Science) Anjan Nanisetti* (Science) Uday Mittal* (Engineering|JMHC) Luke Brian Johnson* (HHS) Ishana Didwania* (Science) Liam Kalil Simpson* (Engineering)	From Intent to Action: A Responsive Grip-Assistive Glove for Muscular Dystrophy

Name	Presentation	Students	Title
Lottes, Aaron Edward	7020	Aditi Choudhury† (Engineering|JMHC) Khushi Choksi† (Engineering) Elan Smyla† (Science) Divya Raghvendra Manvikar‡ (Engineering) Makenna Anne Lee‡ (Engineering) Ridhima Singh Tomar‡ (Engineering) Emanuel Takoda Roy Borror‡ (Engineering) Paul Robert William Harkenrider‡ (Science|JMHC) Ramya Prasanna‡ (Science|JMHC) Rohan Joseph Eapen‡ (Engineering|Science) Anandi Durgam‡ (Engineering) Aiden Tian‡ (Engineering) Francis Ruo-Chi Lung‡ (Engineering) Aditi Reddy Gangasani‡ (Engineering) Declan Brannon Yu‡ (Engineering)	Quantitative, Non-Invasive Monitoring of Carpal Tunnel Syndrome Using a Clinician-Guided Wearable System
Low, Philip S	1453	Juyeon Im† (Science)	Development of a Novel Bone-Targeted Radioligand Therapy for Bone Metastases
Lowrie, Jack	1000	Aditya Agarwal† (Science) Hiya Samanta† (Science|JMHC) Sai Vallabha Chebrolu† (Science)	Auditing and Mitigating Bias in LLM-Generated Targeted Communication
Lu, Jing	1421	Effie Cobbett† (Engineering) Samuel Aaron Brodsky† (Engineering) Gabrielle Vonder Embse‡ (Science) Preston Ming Cheng‡ (Engineering)	Campus Climate: Analyzing Rhetoric of Student Produced Environmental Information at Purdue University
Lu, Jing	1465	Aditya Kapoor† (Engineering) David Lu† (Polytechnic) Shriya Shukla‡ (Engineering) Evelyn Addison Graham‡ (HHS)	Social Media Strategies for Encouraging Exercise among University Students
Lu, Jing	1506	Jaser Ahmed Pallikonda Latheef† (HHS) Amogh Shrivastava‡ (Engineering) Pratik Guha‡ (Liberal Arts|Polytechnic) Khang Tran Uyen Nguyen‡ (DSB|Polytechnic)	Evaluating the Integration of Constructivist Learning Principles in VR 3D-Modeling User Interfaces
Lu, Juanwu	1925	Andrew Joseph Thompson† (Science) Armaan Arshad Sayyad† (Science) Joseph Zou† (Science) Pranay Goel† (Science) Sumant Anantha† (Science) Zachary Thomas Nena† (Science) Pranav Sanghi† (Science) Rahal Themiya Ranasinghe Ranasinghe Mudiyanselage† (Science)	Opening the Black Box: A Transparent Diffusion-Based Planner for Autonomous Driving
Lu, Shiuan-Huei	1487	Edwin Gibrant Diaz Maldonado† (Science)	Characterizing premenstrual gait performance with and without cognitive demand
Lu, Xiaonan	1208	Mahrukh Muhaimeen Anindya† (Engineering|JMHC) Ruhaan Batta† (Engineering) Trinay Ravella† (Engineering)	Automated Ingestion, Validation, and Visualization Framework for WECC-240 Dynamic Simulation
Lu, Yung-hsiang	1081	Dongyun Lim† (Engineering)	Low-Power AI-Generated Image Detection and Action Recognition for Mobile Edge Devices
Lu, Yung-hsiang	1225	Ojas Chaturvedi† (Science|JMHC) Ritwik Suresh Jayaraman† (Science) Sean Xiaoyang Su† (Engineering|JMHC) Shreeya Vishram Sarurkar† (Science) Kayshav Bhardwaj‡ (Science) Emily Ran Li‡ (Science|JMHC) Elliott Jameson Soderberg‡ (DSB) Hongcheng Li‡ (Engineering)	Addressing Polyphonic Accuracy: Performance Optimizations in Automatic Music Transcription

Name	Presentation	Students	Title
Lu, Yung-hsiang	1243	Peter Edvardsson† (Science) Amy Michelle Basca† (Engineering) Ryce Pi† (Science) Keshav Sriram Ramabhadran† (Engineering) Ropan Datta* (Science)	Adaptive, Interpretable Feedback for Music Practice: A Human-Computer Interaction Study
Lu, Yung-hsiang	1270	Arnav Ashish Kalekar† (Engineering) Vishaal Iyer† (Science) Om Vishvanath Muthyala† (Science) Sooji Lee† (Science)	A Vision-based Machine Learning Approach to Automatic Music Transcription for Guitar
Lu, Yung-hsiang	1943	Elliott Sungju Youn† (Engineering) Anirudh Vummadising* (Engineering) Ronit Podder* (Engineering) Shivoy Sharma* (Engineering)	Artificial Intelligence for Musicians (AIM): Robotic Glockenspiel
Lu, Yung-hsiang	3106	Avery Fisher Noroozi† (Science) Roohee Esha Urs† (Science|JMHC) Tianzhi Li† (Science) Rishi Bagri† (Liberal Arts|Science)	Computer Vision and Generative Models - Concert Video Generation
Lu, Yung-hsiang	7086	Rohan Rahul Pradhan† (Engineering) Arvind Shyam† (Engineering) Sruthika Shivakumar† (Engineering|JMHC) Shashwat Goel† (Science) Zixian Liu† (Science)	Robot Cello
Lu, Yung-hsiang	7132	Arvind Shyam† (Engineering) Shashwat Goel† (Science) Zixian Liu† (Science) Rohan Rahul Pradhan† (Engineering) Sruthika Shivakumar† (Engineering|JMHC) Pranesh S Velmurugan† (Science) Boyang Zhang† (Science) Jiashu Liu† (Engineering)	Robot Cello
Lu, Yung-hsiang	7153	Daniel Chindris† (Science) Wangyue Xu† (Polytechnic) Ziang Wang‡ (Science) Sivamurugan Velmurugan‡ (Science) Shrinand Perumal‡ (Science) Ryce Pi‡ (Science) Preston Tang Mo‡ (Engineering) Michael X Zhang‡ (Engineering) Luke Jaehyeon Choi‡ (Science) Junyong Lee‡ (Science) Jackson Patrick Shields‡ (Science) Ekaterina Tszyao‡ (Science)	Leveraging Computer Vision and Postural Evaluation Models for Cellists in Real-time.
Lu, Yung-hsiang	9010	Devak Chowdary Chowdary Charapalle† (Engineering)	Optimizing Computer Vision Algorithms for Low-Power Edge Devices
Lu, Yung-hsiang	9013	Henry Jones Cheung† (Science) Kevin Su* (Engineering)	Computer Vision and Generative Models
Lucietto, Anne M	1538	Josephine Ruby Sibert† (HHS|JMHC)	Building Awareness and Understanding of Aphasia
Lucietto, Anne M	1811	Japteg Singh Bamrah† (Polytechnic)	Comparative review of solar tracking systems
Luo, Junjie	7025	Renzhi Yongtian† (Engineering) Nana Lee† (Engineering) Tanvi Dhawade† (Engineering)	Theory and Implementation of Depth-from-Differential-Defocus Algorithms
Luo, Zhuojun	7071	Jackson Drew Douvas† (Engineering) Vatsal Sanjeevkum Dudhaiya† (Engineering)	An Integrated Full-Stack Application and Statistical Pipeline for Streamlined Proteomics Data Analysis and Enhanced Interpretation
Lutz, Kurt Robert	7002	Megan Elizabeth Lawson† (Liberal Arts|Science)	The effects of abnormal temperature patterns on Batrachochytrium dendrobatidis density and size in vitro

Name	Presentation	Students	Title
Lyanda-Geller, Olga V	8002	Ilias Kalliakmanis† (Polytechnic)	From The Man Without Purpose to The Man Trapped By Purpose: The Evolution of The Modern Hero Across Lermontov and Tolstoy
Lyanda-Geller, Olga V	8004	Tran Nguyet Anh An† (Liberal Arts|Polytechnic|JMHC)	The Vietnamese Reception and Translation of Chekhov's Ward No. 6
Lyanda-Geller, Olga V	8006	Leran Samuel Nodel† (Engineering)	How Geopolitics Shapes Machines: Soviet vs. American Military Infrastructure Design Intent
Lyanda-Geller, Olga V	8010	Isidore Peter White† (Liberal Arts)	Portraits of Stalin in Prose, Poetry and Song
Lyanda-Geller, Olga V	8020	Julia Ann Gorenstein† (HHS) Nicole Shashurin† (Science)	Analysis of Trends and Changes in Classical and Modern Russian Chemical Terminology.
Lyon, Angeline M	1469	Vincent Simon Knizka† (Pharmacy)	Advancements in Visualizing Phospholipase C Epsilon: A Fab Approach
Lyon, Angeline M	7043	Victoria Isabella Porter† (Science)	Defining Activator-Dependent Regulation of Constitutively Active PLCb Mutants
Ma, Ruichao	1882	Ryan Y Manley† (Engineering) Diana Vergun† (Engineering) Rowan Anthony Segner† (Engineering) Joseph Dean Scarpa† (Engineering) Matteo Jordan Cobin‡ (Engineering) Adil Soltan‡ (Science) Vikram Ganesh Kumar‡ (Engineering) Lydia Carmen Derstine‡ (Science) Ethan Julian Ramon‡ (Engineering|JMHC)	Physical and Motorized Bloch Sphere
Ma, Yan	9004	Ella Marie Branneman† (PWL)	Perception/Attitudes of Graduate SLP Students towards a Voluntary Stuttering Assignment
Ma, Zhao	1614	Zixuan Bao† (Agriculture)	Collective action in environmental conservation: A randomized controlled trial of a Forest Carbon Emissions Reduction Program in Bolivia
Mabe, Nathaniel Wesley	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Macatangay, Jalen Riley	7130	Jacob Hayes Goehring† (Engineering|JMHC)	Shock-Induced Pore Collapse in Polymer-Bound Explosives: A Molecular Dynamics Study of Deflagration Initiation
MacDermid Wadsworth, Shelley	1638	celeste Enriquez† (HHS|JMHC)	A Psychometric Evaluation of the FAD General Functioning Subscale in Military-Connected Families
MacDermid Wadsworth, Shelley	1831	Olivia Ann marie Dirr† (HHS|Liberal Arts)	Analyzing AUDIT's Internal Consistency in the Operation Military Experience Study
MacInnis, Emilie Mae	7029	Tatum Reese Ebbeskotte† (Science|JMHC)	Partners and paws: Couples
Magnuson, Brian Harold	1622	Pranavie Chandrakumar† (Science|JMHC)	Cleaning as an Indoor Air Pollution Source: Emission and Exposure of Secondary Organic Aerosol
Mahdi, Mohammed Abir	1345	George Richard Stevens† (Engineering) Thomas Edgardo Schmitz* (Engineering|JMHC)	Additive Manufacturing with Hybrid Continuous and Discontinuous Fiber Systems

Name	Presentation	Students	Title
Mahmud, Talha Ibn	3202	Camila Franco† (HHS) Colin Andrew Kuhn† (Liberal Arts) Erin Marie Long† (Liberal Arts) Caroline Wrye Albright† (Science) Nathaniel Martin Schaefer‡ (Liberal Arts) Poseidon Van Thompson* (Liberal Arts) Risha Gupta* (Engineering) Reese Elizabeth Whitfield* (Science)	Are You Human? AI-Assisted Forensic Human Identification from Laser Scans of Bone Fragments
Mahurkar, Ketaki A	1469	Vincent Simon Knizka† (Pharmacy)	Advancements in Visualizing Phospholipase C Epsilon: A Fab Approach
Makin, Joseph Gerard	1627	Alexander Thomas Chrzanowski† (Science|JMHC) Faisal Alsayyari† (Science) Pratham Jigneshbha Patel† (Science) Sebastian Sea-Tian Ting† (Science)	Python2TikZ
Malcolm, Shandey Derisa	1349	Emma Swanson† (HHS) Lillian Sophia Weiss† (Science) Rhea Chintan Shah‡ (Science) Avery Ann Musgrave‡ (Science)	Perceived Self vs. Peer Risk of HPV Infection Among Emerging Adults
Malcolm, Shandey Derisa	1649	Vaibhavi Goyal† (HHS)	Understanding Treatment-Seeking Behaviors and the Role of Parent-Adolescent Communication Quality Among Adolescents with Substance Use Disorders
Malcolm, Shandey Derisa	7075	Rhea Chintan Shah† (Science) Avery Ann Musgrave† (Science) Emma Swanson‡ (HHS) Lillian Sophia Weiss‡ (Science)	HPV Vaccine Perceived Risk: Discovering Changes in Perceived Risk Through an Informational Provision at No-Cost Vaccine Clinics
Manning, Benjamin	1106	Aidan Richard Policelli† (Engineering) Issa Amer Haddad† (Engineering) Daniel Z Wu† (Engineering) William Michael Shaffer† (Engineering) Paul Michael Hamas† (Engineering)	Autonomous Battle Bot
Mantha, Kameswari	9033	Leo Fernando Lesmes† (Engineering) Tanvi Srisai Sajja† (Engineering) Landon Michael Block† (Engineering) Aaruni Singh† (Engineering)	Atari's Pong on Application Specific Integrated Circuit
Mao, Huan wen	1688	Ying-Wei Lin† (Engineering) Kevin Yu† (Engineering) Qiming Chai† (Engineering) Tim Jacques van Antwerpen† (Engineering)	Electroplating Optimization for TSV-Based Heterogeneous Integration
Mao, Ocean Z	1600	Priya Adiga† (Engineering|JMHC) Emiliano Javier Gomez† (Engineering) Paul Shannon Slack† (Engineering|JMHC) Connor Bradley Frey† (Science)	OFDM Synchronization for Satellite Communications: From Software Simulation to FPGA Implementation
Marceau, Kristine	1493	Claire Lynn Mizimakoski† (HHS)	Adoption Process Openness and Children's Anger and Frustration in Middle Childhood: The Role of Birth-Mother Contact
Marconnet, Amy M	1268	Xavier L Ish† (Engineering)	Degradation of Thermal Interface Materials in Submerged Conditions
Marconnet, Amy M	1287	Richard Zhixiong Li† (Engineering)	Measuring thermal conductivity of interface materials for use in computing systems
Marconnet, Amy M	1760	Ammar M Mukadam† (Engineering)	SCALE: Physics-Informed Machine Learning for Predicting Thermal Interface Material Degradation
Marconnet, Amy M	1762	Lindsay Kathryn Sutherland† (Engineering|JMHC)	SCALE: Synthesis and Thermal Characterization of Hydrophobic Aerogels for Heat Management in Advanced IC Packaging Applications

Name	Presentation	Students	Title
Marete, Caroline Kathure	1330	Alex Jaguar Saldivar† (Polytechnic)	Programmatic Accreditation and the Current State of Aviation Management Programs
Marks, Rebecca	1221	Katrina Ann Burras† (HHS) Samaira Lynn Lee† (HHS)	How does early bilingual language exposure influence children's emerging English morphological awareness?
Marshall, Curtis Earl	1039	Caleb James Evans† (Engineering) Georgios Giannakis† (Engineering)	The Use of Aerospikes for Drag Reduction on an Elliptic Nose Cone
Marshall, Curtis Earl	1073	Mark Maxim Kim† (Engineering) Anchit Asthana† (Engineering) Jack Isaac Krockover† (Engineering|JMHC) Aditya Sarwaikar† (Engineering) Caleb James Evans‡ (Engineering) Georgios Giannakis‡ (Engineering)	The Use of Aerospikes for Drag Reduction on an Elliptic Nose Cone
Marshall, Curtis Earl	1319	Grayson Paul Radtke† (Engineering) Thatcher Michael Wise† (Engineering) Arthur Elliott Gabrilovich† (Engineering) Bhavya Sai Vemuri† (Engineering|JMHC) Preethi Munipalle‡ (Engineering) Siddhant Vinay Belgaumkar‡ (Engineering) Anne Regina Piet* (Engineering)	Design and Implementation of Magnetic Shielding in a Low-Voltage Hall Effect Thruster for Small Satellite Applications
Marshall, Curtis Earl	1355	Chaitanya Nikhil Vikamsey† (Engineering) Kaisler Boyer† (Engineering) Eli Joseph Wilson Regan† (Engineering) Ronin Silva† (Engineering) Kevin James LeRoy† (Engineering)	Development of a Novel Lunar Excavation System (Purdue Lunabotics-VIP)
Marshall, Curtis Earl	1642	Hetasri Galla† (Science) Farah Elbohofy† (Engineering) Jia Nikhil Mody† (Engineering) Paul Doherty Stanecki† (Engineering) Lilia Stanton† (Engineering) Abhinand Shibu† (Engineering)	Neural Space Cap: Integrating biomarkers to advance human spaceflight
Marshall, Curtis Earl	1703	Noah Wells Painter† (Engineering) Grace Neve Valdez† (Engineering) Evelyn L Young† (Engineering) Qiwen Fu† (Engineering|Liberal Arts) Paige Alicia Greenfield‡ (Engineering) Keller Maher‡ (Engineering|JMHC) Marius Nils Christian Albrechtsen‡ (Engineering)	Plant Growth in Microgravity
Martin, Heather Nicole	1701	Cadance William Lucas Ormsby† (Science|JMHC) John Cheng Yu Chang‡ (Engineering) Gino Christian Daniels‡ (Science)	R&D Efforts toward a Carbon Fiber Wire Drift Chamber
Martinez, Cristian Andres	9020	Nezar Fahmi† (Engineering) Zhicheng Benjamin Li† (Engineering) Nhan Viet Viet Do† (Engineering) Andrew Lu† (Engineering)	Asteroids ASIC
Martinez, Ramses	1313	Tung Gia Pham† (Engineering)	Immersive Jet Engine Digital Twin for Industrial Training in Virtual Reality
Martinez Cruz, Eliazar Andonie	1935	Vivirena Liu Wang† (Agriculture)	Evaluating AMF Bioinoculant Colonization Efficiency in Corn and Soy Systems
Martinez Sainz, Enrico	1210	Leticia Bagodi Missura† (Engineering) Jayesh Ratnakar Patil† (Engineering)	Investigation of Curing Kinetics of Epoxidized RCF Lignin
Martinez-Guo, Zherui	1115	Camila Ribeiro† (Engineering) Clara Ribeiro† (Engineering)	Developing Quantifiable Parameters for Particle Morphologies and Surface Erosion Topographies
Mashaollahi, Amirhesam	7071	Jackson Drew Douvas† (Engineering) Vatsal Sanjeevkum Dudhaiya† (Engineering)	An Integrated Full-Stack Application and Statistical Pipeline for Streamlined Proteomics Data Analysis and Enhanced Interpretation

Name	Presentation	Students	Title
Masonheimer, August Twopearls	1224	Andrew Tarabay Caridad† (HHS)	Exploring Undergraduate Students Experiences with Time Management, Burnout, and Self-regulated Learning
Masonheimer, August Twopearls	1883	Kerri Riane Mathew† (HHS|JMHC)	Mindful Emotion Regulation for Adults with Intellectual Disabilites
Matangi, Evidence Simbarashe	8017	William Zhang† (Science)	Statistical Methods of Differentiating Between AI and Human Essays
Matey, Victoria	1036	Sara Grace Durnil† (HHS)	Pre- and Post-Event Strategies as Value Drivers in Conference Design
Matosevic, Sandro	7047	Pablo Arriagada Turrent† (Science|JMHC) Rachel Marie Miskelly† (Science|JMHC)	Genetic Engineering Knock out of CD9 on Natural Killer cells for Glioblastoma Multiforme Immunotherapu
Maybee, Clarence D	1308	Jayla Kennedy Parks† (Liberal Arts) Braxtyn Rose Cooper† (Agriculture|Liberal Arts) Audrey Marie Wray† (HHS) Ukiah Mikalah Johnson* (HHS|Liberal Arts) Joyce Claire Lau* (HHS) LauraLynn Montefrio Corrales* (HHS|Liberal Arts) Hazel Rose Carter* (HHS) Lillia Shr* (HHS|Liberal Arts) Tamanna Sahoo* (HHS)	SPIRaL: Climate Change Communication Among College Students
Maybee, Clarence D	1629	LauraLynn Montefrio Corrales† (HHS|Liberal Arts) Joyce Claire Lau† (HHS) Tamanna Sahoo† (HHS) Ukiah Mikalah Johnson* (HHS|Liberal Arts) Braxtyn Rose Cooper* (Agriculture|Liberal Arts) Hazel Rose Carter* (HHS) Lillia Shr* (HHS|Liberal Arts) Audrey Marie Wray* (HHS) Jayla Kennedy Parks* (Liberal Arts)	SPIRaL: Communicating using Climate Change information
Maybee, Clarence D	7050	Lillia Shr† (HHS|Liberal Arts) Hazel Rose Carter† (HHS) Ukiah Mikalah Johnson† (HHS|Liberal Arts) LauraLynn Montefrio Corrales* (HHS|Liberal Arts) Joyce Claire Lau* (HHS) Tamanna Sahoo* (HHS) Jayla Kennedy Parks* (Liberal Arts) Audrey Marie Wray* (HHS) Braxtyn Rose Cooper* (Agriculture|Liberal Arts)	SPIRaL: Challenges in Climate Change Communication among Purdue University Students
Mayhook, Zoeanna Aileen	9015	Anvi Datta† (DSB|JMHC) Lauren Courtney Coons† (DSB|JMHC)	A Systematized Review of Business Ethics Education
McAdam, Scott	1205	Grace Louise Amburgey† (Science|JMHC) Emmeline Rose Seest‡ (Agriculture|JMHC) Grace Elizabeth Collins‡ (Agriculture) Renee Danielle Walmoth‡ (Agriculture)	The relationship between sugar accumulation and the timing of leaf senescence in two species of deciduous trees: An analysis of photosynthetic pigment degradation
McArthur, Natalie Ann	1830	Allison Wood Danhof† (HHS)	Temporal Shifts and Sociodemographic Predictors of Adolescent Polysubstance Use in the United States, 1995–2023
McClymont, Malcolm Lloyd Seib	1110	Myles Joshua Pristin Querimit† (Engineering) Mixuan Pan† (Engineering)	Design and Implementation of FP16 and BF16 Floating-Point Units for the Atalla AI Accelerator
McClymont, Malcolm Lloyd Seib	1555	Nikhil Kishore Vaidyanath† (Engineering) Nicha Muninnimit† (Engineering) Don Anh Nguyen† (Engineering) Seongjoong Yim* (Engineering) Myles Joshua Pristin Querimit* (Engineering) Mixuan Pan* (Engineering)	Design and Evaluation of an Area-Efficient GEMM Systolic Arrays for the Atalla Ax01 Accelerator

Name	Presentation	Students	Title
McClymont, Malcolm Lloyd Seib	9001	Scott Andrew Anderson† (Engineering) Karan Soni† (Engineering) Aditya Gupta† (Engineering) Cody Zhu† (Engineering)	SoC for BLDC Motor
McClymont, Malcolm Lloyd Seib	9005	Rajin Gupta Braynard† (Engineering) Benjamin Scot Zarkiewicz† (Engineering) Shang-Hung Yu† (Engineering) Henry Joseph Hoorizadeh† (Engineering|JMHC)	Specialized Hardware-Accelerated Stream-Encryption
McClymont, Malcolm Lloyd Seib	9020	Nezar Fahmi† (Engineering) Zhicheng Benjamin Li† (Engineering) Nhan Viet Viet Do† (Engineering) Andrew Lu† (Engineering)	Asteroids ASIC
McClymont, Malcolm Lloyd Seib	9026	Tyler Mathew Hein† (Engineering) Deepti Murali Rao† (Engineering) Parth Kalpesh Patel† (Engineering) Kruz Michael Schurz† (Science)	MP3 TinyTapeout Chip Design
McClymont, Malcolm Lloyd Seib	9029	Arnav Juneja† (Engineering) Rishi Madipalli† (Engineering) Richard Liao† (Engineering) Aarush Agarwal† (Engineering|JMHC)	Pong FPGA Recreation
McClymont, Malcolm Lloyd Seib	9033	Leo Fernando Lesmes† (Engineering) Tanvi Srisai Sajja† (Engineering) Landon Michael Block† (Engineering) Aaruni Singh† (Engineering)	Atari's Pong on Application Specific Integrated Circuit
McClymont, Malcolm Lloyd Seib	9046	Hang Minh Nguyen† (Engineering) Benjamin Viet Dang† (Engineering) Ninh Tan Nguyen† (Engineering)	Light-Pulsing ADC and Morse Decoding Peripherals System
McClymont, Malcolm Lloyd Seib	9053	Aaron Eli Shefter† (Engineering) Emmanuel Wright Rosa† (Engineering) Hoyoung Chun† (Engineering) Romir Reddy Gade† (Engineering) William Shao-wei Lo† (Engineering)	Application Specific Integrated Circuit (ASIC) for Audio Volume Visualization
McElhattan, David R	1467	Kashmala Khan† (HHS)	The Insanity Defense: Mental Illness in Court
McGowan, Bethany S	9028	Gwyneth Grace James† (Liberal Arts)	What does information-seeking behavior tell us about information literacy skills?
McKinney, Jason Dwight	1259	Anthony Edward Gurrieri† (Engineering) Spencer Andrew Moore† (Engineering) Rohan R Iyer† (Engineering) Geetika Chitturi† (Engineering|JMHC)	Modeling and Optical Characterization of Integrated Silicon Photonic Ring Resonators
McLaughlin, Eilis T	1082	Ciana Michelle Lorentz† (HHS) Raegan Laurel Hackett† (Science) Mia Lynn Samuelson† (HHS)	Changes in Daily Living Skills in Vineland Adaptive Behavior Scales, Third Edition in Children with Neurogenetic Conditions
Mcneil, Connor Jonathan C	1252	Madelyn Grace Gaeta† (HHS)	A Qualitative Examination of Parental Racial-Ethnic Socialization (RES) Experiences of Multiracial Adolescents: What RES messages do Multiracial adolescents find valuable for their racial-ethnic ident
Mehra, Shaiv Yogesh	1732	Korphiena Kimona Stephen† (Engineering) Muneera Shoaib Rasheed† (Engineering)	ADAPT-R: Adaptive Donning and Attachment Platform Technology for RoboGripper
Mehta, Shubh Parag	1020	Ojas Chaturvedi† (Science|JMHC) Julia Kang‡ (Science) Julian Vuong‡ (Engineering) Justin Zhao‡ (Science) Suhani Yadav‡ (Science|JMHC) Yewon Choi‡ (Polytechnic)	Comparison of Loss Functions for Transformer-Based Automated Aortic Root Segmentation in Pediatric Marfan Syndrome

Name	Presentation	Students	Title
Mehta, Shubh Parag	1559	Julian Vuong† (Engineering) Joshua Paik‡ (Science)	Interobserver Variability of GUI-Based Echocardiographic Measurements for Pediatric Marfan Syndrome
Mehta, Shubh Parag	1626	Yewon Choi† (Polytechnic) Ojas Chaturvedi‡ (Science|JMHC) Julia Kang‡ (Science) Suhani Yadav‡ (Science|JMHC) Justin Zhao‡ (Science) Julian Vuong‡ (Engineering)	Automated Measurement of Aortic Root Diameters from Pediatric Echocardiographic Videos Using Foundation Models
Meister, Ryan Michael	1096	Gourav Pany† (Engineering) Nathan Robert Walsh† (Engineering) Trinay Ravella† (Engineering) Apostolos Constantine Zachariadis‡ (DSB) Quinn P Murphy‡ (Engineering) Luke Alexander Macrina‡ (Engineering)	Designing for Small Hands and Big Needs: A Sensory Table for Therapeutic Play
Meister, Ryan Michael	1138	Nathan Robert Walsh† (Engineering) Luke Alexander Macrina† (Engineering) Quinn P Murphy† (Engineering) Gourav Pany‡ (Engineering) Apostolos Constantine Zachariadis‡ (DSB) Trinay Ravella‡ (Engineering)	Developing a Custom Sensory Table Through Community-Engaged Engineering
Meister, Ryan Michael	1323	Joshua Jonathon Rhodes† (Engineering)	Measuring musculoskeletal changes of PTOA post ACL rupture
Meister, Ryan Michael	1907	Amrita Rani Raparti† (Science)	Investigating Lumbosacral Degradation Using Micro-CT Amongst Female and Male Mice Following PTOA
Mejia Padilla, Daniel F	9019	Asem Ibrahim Elenawy† (Engineering) Tony Shih† (Engineering|JMHC)	nanoHub Simulations Framework
Mena, Anthony Gabriel	1257	Madison Theresa Grimsich† (Science) Jacqueline Grace Zelic† (HHS) Isabella Anne Marker‡ (Liberal Arts|Science)	Sequence-Defined Peptide Dendrimer Synthesis via Liquid-Phase Convergent/Divergent Coupling Strategy
Mendoza, Ivan	1201	Avery Elizabeth Abfall† (HHS|JMHC)	Food Talk Between Parents and Children Within a Food-Play Task
Mercado, Jessica M	1087	Vida Teresa Mendoza† (HHS)	The U.S. Governments Use of Dehumanizing Terminology and How It Effects Immigration Policies for Latinos
Mercado, Jessica M	1088	Catherine Lillie Miner† (HHS)	Designed for Addiction: Social Media's Impact on Dopamine Activation
Mercado, Jessica M	1253	Juliana Garcia† (HHS)	Calm Minds, Better Learning: How Mindfulness Interventions in Classrooms can Better Support Children with Autism Spectrum Disorder (ASD)
Mercado, Jessica M	1307	Lydia Parker† (Exploratory Studies)	Flipping Dangerous: Gymnastics Injuries and Prevention Methods
Mercado, Jessica M	1499	Meghana Namineni† (HHS)	Financial Toxicity in Maternal Healthcare: Disparities Among Low-Income Black Mothers in the US
Mercado, Jessica M	1536	Yeeun Shin† (Engineering)	Better Outcomes, Fewer Risks: AI in Pediatric Orthopedic Surgery
Mercado, Jessica M	1539	Ashreya Singh† (HHS)	Is AI taking your job or not giving you the job?
Mercado, Jessica M	1897	Hailey Peer† (HHS)	The Negative Rabbit Hole of Algorithms in Eating Disorders
Mercado, Jessica M	1931	Emanuela Wada Repetto† (HHS)	The Brain's Capacity to Change: Psychedelic Use in Depression

Name	Presentation	Students	Title
Metskas, Lauren Ann	7120	Keith Meyers† (Science|JMHC)	Studying Carboxysome Assembly in Halothiobacillus neapolitanus
Metzger, Brian Patrick Ha	7082	Haven Marie Bader† (Science) Abigail Catherine Burris† (Science)	Promoter Replacement Enhances Recombination and Hybrid Viability in Diverged Saccharomyces Species
Meyers, Brett A	1710	Bisti Sunil Potdar† (Science) Lilyanne Patricia VanDenBergh† (Science|JMHC) Monish Jonnadula† (Science|JMHC)	Mobile App Pupillometry
Meyers, Brett A	1715	Lesley Aneliz Rodriguez† (Engineering) Mi-Hsueh Wu† (Engineering) Anas Eyad Rafei† (Engineering)	Developing a Smartphone-Enabled Laryngoscope
Meyers, Brett A	1816	Oliver Stevenson Bohon† (Science|JMHC) Tanvi Reddy Jitta† (Engineering) Chaarulatha Rajesh† (Engineering)	Upper Respiratory Tract Model for Drug Deposition Studies
Meyers, Brett A	1911	Sai Aiswarya Sadagopan† (Science) Rishika Ramakrishnan† (Science) Arunasalam Subbiah† (Science) Jonas Villabroza† (Engineering) Gabriel Calinescu† (Science)	Deep Learning for Enhanced Analysis of Depot Formation and Diffusion in Auto-Injector Devices
Michalski, Greg M	1528	Samin Sanjana† (Engineering) Nelson You‡ (Science)	Simulating Stable Isotope Partitioning in Atmospheric Chemistry Using Modified CMAQ Modules
Michalski, Greg M	1677	Landon Oliver King† (Liberal Arts|Science)	Ion Concentrations of Mars Like Soils from the Mojave Desert
Milisavljevic, Danny	1024	Erika Chiommino† (Science|JMHC) Alexandra Madison Chrostowski† (Engineering) Brian Jeffrey Young† (Science)	Nickel-56 Yields in Core-Collapse Supernovae and Implications for Their Progenitor Systems
Milisavljevic, Danny	1075	Nikhil Sai Kodali† (Science) Sanjith Jothi Bala† (Science) Weiping Zhang† (Engineering|Science)	Evaluating Quantum Advantage in Financial Fraud Detection with Variational Quantum Models
Milisavljevic, Danny	1284	Derek Yishio Lee† (Engineering) Nikhil Sai Kolli† (Engineering) Anubhav Majumdar† (Science)	Evaluating the Effectiveness of Quantum Machine Learning Models in Decoding Encoded Text
Milisavljevic, Danny	1328	Francisco Alejandro Ruiz† (Science) Chawin Mingsuwan† (Polytechnic) Jason Timothy Emsley† (Science) Honghai Gong† (Polytechnic)	Enhancing Supernova Inference with Citizen Science Photometry
Milisavljevic, Danny	1496	Ananya Molugu† (Engineering) Patrick Ding† (Science) Ovi Bhagwat† (Polytechnic)	Identifying Rerightening Events in the ANTARES Transient Dataset Using Light Curve Analysis
Milisavljevic, Danny	1560	Solomon Francis Wakin† (Science) Elian David Coyotl Garcia† (Science) Devikaa Prashant Thakker† (Science) Hana Yang† (Engineering)	Higgs Rediscovery
Milisavljevic, Danny	1716	Dewang Sahay† (Engineering) Kabir Jain† (Science)	Identifying Precursor Activity in Type 2 Supernovae from All Sky Survey Data
Milisavljevic, Danny	1735	Kai James Sustersic† (Science) Matthew Christopher Kim† (Science) Jacob Antony† (Engineering) Keshav Gollamudi† (Science)	Experimental Measurement of the Top Quark Mass and tt? Cross Section Through the Semileptonic Decay Channel Using CMS Data
Milisavljevic, Danny	1842	Jay Philip Gannam† (Science) Jing E Gan† (Polytechnic)	Improving REDBACK Inference of Supernova Physical Properties with ZTF and Citizen Scientist Photometry
Milisavljevic, Danny	3014	Madeline G Taylor† (Science)	Rapid Infrared Variability in Supernova Remnant Cassiopeia A Revealed by JWST
Milisavljevic, Danny	7083	Arushi Kolluru† (Science|JMHC) August William Mauer† (Science) Misty Chen† (Engineering)	Analysis of the Top Quark using Reconstruction of TTBar Events

Name	Presentation	Students	Title
Miller, Monica L	1070	Hannah Kiefel† (Pharmacy)	Is There a Standardized Way to Manage Smart Pump Drug Libraries in the Hospital Setting?
Miller, Monica L	9017	Jeffrey William Du† (Pharmacy|JMHC)	The Analysis of Reported Drug Allergies at St. Bartholomew's Hospital
Miller, Renee Chantal El	7135	Ishita Mukadam† (Engineering)	Early Detection of Chronic Kidney Disease Related Bone Fragility Using Quantification of Glycosaminoglycans
Mills, Stephen Craig	1343	Colleen Ryan Squier† (Science)	Trade-offs in Root Cold Acclimation Between Range Edge Populations of Narrow-leaf Plantain
Mishra, Ribhav	1299	Navnoor Kaur Mutti† (HHS|JMHC)	The Effect of Methylmercury Exposure on Mitochondrial Membrane Potential of RA-differentiated SH-SY5Y Cells
Mitra, Ankita	3100	Oviya Arulraj† (Science)	Mapping forest tree structural complexity across Oceania using ground-measured data and machine learning
Mitra, Harsa	1303	Conner Joseph Niemann† (Pharmacy|JMHC) Josi Laura Gallo† (Agriculture|JMHC) Jijnasu Prakash Rout† (Engineering) Audrey Frances Wise† (Pharmacy|JMHC)	Fabrication of Biomimetic Extracellular Matrix
Mo, Fangfang	1815	yuvika Bisht† (HHS|JMHC)	A Systematic Review for Strength-Based and Talent Development Strategies for Multi-Exceptional Students
Moding, Kameron	1201	Avery Elizabeth Abfall† (HHS|JMHC)	Food Talk Between Parents and Children Within a Food-Play Task
Moffat, Russell Keith	1838	Higor Galina Pozza† (Engineering)	Computational Modeling of High Strain-Rate Deformation and Fracture
Moffitt, Ariana	1058	Jordan Elijah Hargraves† (HHS) Alyssa S Brennan† (HHS)	Workload, Time Use, & Meal Patterns in College-Aged Adults: A pilot study at Purdue University
Mohammadi, Mohsen	3203	Yazan Ayad Hajjar† (Agriculture)	Evaluating High-Yielding, Drought-Tolerant Genotypes in NAM Wheat Populations
Mohammadi, Saeed	1033	Uyen Do† (Engineering) Kenzo Avery Evans† (Engineering) PO-Tsung Hsu† (Engineering) Eric Younghoon Song† (Engineering) Bobby Gu† (Engineering)	Development of a High-Selectivity Al2O3 Mask Strategy for Bosch-Based Etching in 3D Integration
Mohammadi, Saeed	1688	Ying-Wei Lin† (Engineering) Kevin Yu† (Engineering) Qiming Chai† (Engineering) Tim Jacques van Antwerpen† (Engineering)	Electroplating Optimization for TSV-Based Heterogeneous Integration
Mohammadi, Saeed	1757	Erik Kocinare† (Engineering)	SCALE: Heterogeneous Integration of sMTJ for Probabilistic Bits
Mohammadi, Saeed	1821	Alexandre Chan Tome† (Engineering) Huan Yi Kuo† (Engineering) Nolan Cai Tai† (Engineering) Jeffrey Dao Jun Hew† (Engineering|JMHC) Logan Scott Fergusson† (Engineering) Cheng-Kai Chiang† (Engineering)	Statistical Process Control for RC Circuit Fabrication
Mohammadi, Saeed	7052	Eli Bradley Ade† (Engineering) Sabastian Hunter Hamilton† (Engineering) Zackary Pieter Homrich† (Engineering) Pham Anh Minh Nguyen† (Engineering) Rex Wu† (Engineering)	Process Development and Characterization of Through-Silicon-Vias (TSVs) for Advanced Packaging Using Deep Silicon Etching and a Photoresist Soft Mask

Name	Presentation	Students	Title
Mollaali, Amirhossein	1682	Caleb Eunho Lee† (Science) Sudhanva Anand Deshpande† (Engineering)	Conditioned MeanFlow Generative Models for Scientific Machine Learning in Multi-Physics PDE Systems
Mondal, Priyam	3004	Sungsu Jeon† (Engineering)	Non-Equilibrium Pulsed Electrodeposition for Sustainable Cobalt-Nickel Separation
Mondul, Jane Ann	1008	Devyn Simone Barton† (Science)	Optimizing Confocal Imaging Parameters for Neural and Cochlear Tissues Involved in a Noise-Exposure Study
Montalvo, Francisco J	1290	Shay Joseph Manor† (Science) Millan Shah Kumar† (Science|JMHC) Zihan O Zeng‡ (Engineering|JMHC)	Self-Tuning Autonomous Racing
Moodie, Erin K	8014	Aadya Rangole† (Science)	Medieval Euripides: Staging a Performance of the Christos Paschon in the 12th Century
Moore, Alyssa Marie	1546	Erik Robert Sveen† (Science)	Online and On-Tissue Derivatization Enhances N-Glycan Signal for nano-DESI Mass Spectrometry Imaging
Moore, David Matthew	7082	Haven Marie Bader† (Science) Abigail Catherine Burris† (Science)	Promoter Replacement Enhances Recombination and Hybrid Viability in Diverged Saccharomyces Species
Morales, Lourdes Anali	1609	Emma Araya† (HHS)	Food insecurity is associated with iron deficiency in US non-pregnant adult women
Morgan, John A	1248	Anna Alden Fisher† (Agriculture|Liberal Arts|JMHC)	Uptake and translocation of VOCs from leaf to root in tomato seedlings
Morphew, Jason Wade	1459	Zhengyi Jiang† (Science)	Exploring Embodied Reasoning in Engineering Students' Understanding of Statistics
Moser, Chase R.	1501	Madison Grace Niehaus† (DSB) Olivia Noelle Wright† (DSB|Liberal Arts) Stephanie Elizabeth Camacho Calderon† (DSB) Pooja Madhav† (DSB) Kylee Ruth Helen Lucas† (DSB)	Purdue RecWell Project
Moser, Madeline Elise	1649	Vaibhavi Goyal† (HHS)	Understanding Treatment-Seeking Behaviors and the Role of Parent-Adolescent Communication Quality Among Adolescents with Substance Use Disorders
Mosier, Nathan S	1261	Leticia Lie Hashimoto† (Agriculture|Engineering)	Lipids production via yeast fermentation of liquefied soybean hulls
Mukherjee, Partha P	1348	Abhaya Sundar† (Engineering)	Voltage Window Engineering in O3-Type NaNFMO Layered Oxide Cathodes for Enhanced Stability in Sodium-Ion Batteries
Mukherjee, Soumi	1917	Netra Hemal Shah† (Science)	Interdisciplinarity Doesn't Just Happen: How Collaboration is built and sustained in a Biology Integration Institute
Munson, Thomas	1896	Gavin Anthony Payne† (Engineering|JMHC) Yujia Alina Li† (Engineering) Michael James Herro† (Engineering) Eli Bradley Ade† (Engineering) Iris I Tsai† (Engineering)	Balancing Input Capacitance in Large Multiplexers for FPGA Applications

Name	Presentation	Students	Title
Murray, Jackson	1090	Chawin Mingsuwan† (Polytechnic) Avery LeRoy Dellinger† (Polytechnic) Salvador Ayala† (Polytechnic) Russell Louis Thomas† (Liberal Arts|Polytechnic) Tran Nguyet Anh An‡ (Liberal Arts|Polytechnic|JMHC) William Morris Cromer‡ (Polytechnic) Ryan Joonsuh Ahn‡ (Polytechnic)	Evaluating a Virtual Reality Representation of the Mission Control Center with an Intelligent Virtual Agent for NASA's Space Operations
Murray, Laura M	1111	Dana J Radentz† (Agriculture)	Effect of Omega-3 Polyunsaturated Fatty Acid Supplementation in Asthmatic Barrel Racing Horses
Murray, Laura M	1802	Yasmine Iyas Sheik Amarneh† (Agriculture)	Seasonal changes in airway inflammation, dust exposure, and plasma lipids in healthy horses
Murray-Kolb, Laura Elaine	1609	Emma Araya† (HHS)	Food insecurity is associated with iron deficiency in US non-pregnant adult women
Musallam, Ahmad	1819	Jose Eduardo Carlos Castilho† (Engineering)	Radar-based SLAM for low-density and high-noise measurements
Mustafa, Ahmed	7127	Shruti Srivathsan† (Polytechnic)	Machine Learning Predicts Stress Resilience in L-Tryptophan Supplemented Tilapia
Muthumalage, Thivanka M	1129	Thien-Phat Hoang Trinh† (HHS)	Unregulated Alternative Cannabinoid Vaping Products Cause Significant Pulmonary Toxicity and Immune Dysfunction Against Respiratory Pathogens
Muthumalage, Thivanka M	1408	Valeria Sofia Berdecia† (HHS)	Combined Toxicity of E-Cigarette Flavoring Chemicals and Metals in Human Lung Epithelial Cells
Muthumalage, Thivanka M	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Muthumalage, Thivanka M	1835	Andrew Patrick Folkers† (HHS) Anvi Bhatnagar† (HHS) Arni Prakash Bhatnagar‡ (HHS)	Modulation of Cigarette Smoke–Induced ROS Generation and Cytotoxicity by Aged Parsnip Extract and Falcarindiol in BEAS-2B Cells
Muthumalage, Thivanka M	1837	Joshua Furst† (HHS)	Endotoxin Tolerance Induced by ENDS Exposure in Bronchial Epithelial Cells
Muthumalage, Thivanka M	1876	Sophia Rochelle Lehnert† (HHS) Anvi Bhatnagar‡ (HHS) Arni Prakash Bhatnagar‡ (HHS)	Comparative Pulmonary Toxicity of Nicotine Analogs in Vitro
Muthumalage, Thivanka M	7144	Anvi Bhatnagar† (HHS)	Synergistic Toxicity of E-Cigarette Flavoring Aldehydes and Nicotine in Lung Epithelial Cells
Na, Sungsoo	7080	Mehar Jetly† (Engineering) Miram Elag† (Engineering|JMHC) Gerardo Quiroga† (Engineering) Grace Lincoln† (Engineering) Alexander Tsai‡ (Engineering) Austin Journey Zhan‡ (Engineering) Dereck Wei Lu‡ (Engineering) Walter Xavier Lopez‡ (Engineering)	Mechanical Cell Testing Chamber.
Naderi Beni, Ali	1262	Mackenzie Hathaway† (Engineering|JMHC)	Efficacy of Pulse Flow Reverse Osmosis (PFRO) System
Nakatsu, Cindy H	7055	Victoria Pearl White† (Agriculture|Science)	Contribution of Sorghum bicolor Genotype to Rhizosphere Microbiome Composition

Name	Presentation	Students	Title
Nareddula, Sanghamitra	1431	Mia Anne Fehlinger† (Science)	Effects of Acute Ketamine Treatment on Learning-Dependent Neural Plasticity in FXS Mice Models
Narra, Niharika	1042	Eesha Khalid Faruqi† (HHS) Elaine Marie Khoury† (Engineering)	4D Regional Strain Assessment in Patients with Hypoplastic Left Heart Syndrome Using Cardiac Magnetic Resonance Image Analysis
Neave, Heather Whittaker	1443	Anna Lynn Heck† (Agriculture|JMHC)	Brushing Away Uncertainty: Patterns of Brush Use as a Novel Indicator for Early Disease Detection in Dairy Calves
Nelson, Cole Aaron	1312	Ethan C Peyton† (Engineering|JMHC)	Design and Performance Evaluation of a High-Speed Low Power Current-Steering Digital-to-Analog Converter
Nelson, Cole Aaron	1367	Amanda Zheng† (Engineering)	Low-Power Design and Performance Characterization of a StrongARM Latch Comparator and Switched-Capacitor DAC for SAR ADC Applications
Nelson, Cole Aaron	1621	Aditya Chandra† (Engineering) Daniel Paul Wunderlich† (Engineering) Thet Naing Soe† (Engineering|Science) Jack Spenser Zimmerman† (Engineering)	Design and Implementation of a Multi-Channel DMA Controller
Nelson, Cole Aaron	1641	Mahimasai Gajawada† (Engineering) Hyunchae Kim† (Engineering)	Parameterized CLMUL Hardware for CRC computation in RISC-V Processor
Nelson, Cole Aaron	1707	Preston Daniel Perkins† (Engineering) Eshan Mathur† (Engineering) Aditi Sheela Akella† (Engineering)	Implementation of Atomic Memory Operations for a RISC-V Processor
Nelson, Cole Aaron	1864	Amber Kuoiwa Khauv† (Science) Yun-Kai Chen† (Science) Eileen Koh† (Science)	Operating System Development for Bare-Metal CPU
Nelson, Cole Aaron	1901	Ananya Prabhakar† (Engineering) Hsin-Yu Tsern† (Engineering) Priya Adiga† (Engineering|JMHC)	Hardware Acceleration of ChaCha20 Using Custom RISC-V Instructions
Nelson, Cole Aaron	1942	Matthew Yao† (Engineering) Bryan Chiang† (Engineering) Antariksh Mukherjee† (Engineering) Sanjith Cherumandanda† (Engineering)	Design of a FPGA Support Infrastructure to enable Pre-Silicon Software Development on the AFTx08 Chip
Nelson, Cole Aaron	9003	Benjamin Morgan Bishoff† (Engineering) Jared Marc Settler† (Engineering) Jason Andrew Klutho† (Engineering) Shashank Umesh† (Engineering) Yu-Shan Tseng† (Engineering)	Universal Serial Interface (USI): Reducing Redundant Hardware in Microcontrollers
Nelson, Cole Aaron	9036	Lucas Michael Mallen† (Engineering) Matthew Du‡ (Engineering|JMHC)	Implementation of High-Radix SRT Division for Integer & Floating-Point Computation
Nelson, Cole Aaron	9063	Po-Chin Yang† (Engineering) Murad Ibrahimov† (Engineering)	Performance Evaluation of FreeRTOS for Embedded Development on a Custom RISC-V SoC
Nelson, David B	9002	Audrey Andrea Biller† (Engineering|JMHC) Neha Naladala‡ (Science|JMHC)	Rethinking AI Education: A Reflective Approach to Responsible Use
Nguyen, Ha	1601	Paridhi Agarwal† (Engineering)	Advancing Domain-Centric Tutors in LLM Frameworks
Nguyen, James Hoang	1518	Emily Lucille Richardson† (Engineering|JMHC)	Evaluating Additive-Formed SEI for Improved Zinc Deposition in Aqueous Zinc Batteries
Nie, Linda H	1280	Grace Ann Kowis† (HHS)	XRF Measurement of Bone Lead and Associations with Cognition and Neuropathology
Nieforth, Leanne Olivia	7029	Tatum Reese Ebbeskotte† (Science|JMHC)	Partners and paws: Couples
Nilay Kumar, FNU	1611	Garv Atri† (Liberal Arts|Science)	AI Model to Convert Image Regions into Vertex Models

Name	Presentation	Students	Title
Nilay Kumar, FNU	1920	Harjot Singh† (Polytechnic)	Drosophila Wing Image Segmentation Abstract
Noinaj, Nicholas	1134	Karthik Varigonda† (Science|JMHC)	Structural Analysis of the Novel Phage Protein FF83
Noinaj, Nicholas	1749	Ruoqin Rachel Yang† (Science) Olivia Nicole Safranek‡ (Science)	Characterization of temperature-sensitive mutants within the histidine biosynthesis pathway in Salmonella typhimurium
Nortz, Samuel Patrick	3209	Hadley June Rumbach† (Science) Netra Ashish Shah‡ (Science)	Toward Electrochemiluminescence Microscopy for in vivo Bioanalysis: The Effect of Co-Reactant Compounds on Cellular Health
Oakley, Christopher G	1343	Colleen Ryan Squier† (Science)	Trade-offs in Root Cold Acclimation Between Range Edge Populations of Narrow-leaf Plantain
O'Brien, Valerie Phoebe	1913	Sydnie Alexandria Scozzaro† (Science|JMHC)	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
O'Brien, Valerie Phoebe	7084	Rachel Anne Rudnicki† (Science)	KRAS loss of heterozygosity modulates response to Hp infection in gastric cancer cells
Ocegueda Sanchez, Jose Alfredo	7146	Edward Buntain Robison† (Liberal Arts|Science|JMHC)	A Climatological Analysis of Tropical Cyclone Exposure on Second-Level Administrative Divisions in the Western North Pacific
Ogas, Joseph P	1928	Elysia Marlena Uggen† (Agriculture|JMHC)	Proximity Labeling to Identify Transient Protein Interactions with ATP-dependent Chromatin Remodeler PICKLE
Ogas, Joseph P	3018	Alice Westermann Villwock† (Agriculture|JMHC)	Characterizing the relationship between histone demethylases and the chromatin remodeler PKL in H3K27me3 homeostasis
Ogg, James G	1535	Ellis Reuben Selznick† (Engineering) Ji Bing Ni† (Science) Asvin Sivathanu† (Science|JMHC) Hosung Ryu† (Science) Paul Thomas Bay Rickert† (Science|JMHC) Neel Bhavesh Patel‡ (Science)	TimeScale Creator Online: Web Tool for Visualization of Earth
Ogg, James G	1664	Behruz Izbaev† (Science)	Public Database and Website for the Geologic Units of Uzbekistan (Central Asia)
Ogg, James G	1927	Ekaterina Tszyao† (Science) Samyukta Balaji† (Engineering) Rhea Virk† (Engineering)	A Complete Online Database of Invertebrate Fossil Genera
Ogundare, Wonders Oreoluwa	1571	Yuchen Zhang† (DSB|HHS|JMHC) Ellie Grace Ketcham* (Agriculture|JMHC)	Mechanical Tensional Force Alters Ductal Morphogenesis and Tissue Architecture in the Peripubertal Mouse Mammary Gland
Oh, Eun Joong	1352	Alexander Joshua Trump† (Agriculture) Matthew Westley‡ (Agriculture|Engineering|JMHC)	Enhancing Simultaneous Glucose–Fructose Consumption via Transporter Engineering in Saccharomyces cerevisiae
Okodaso, Sammie Oviri Jim	3105	Joshua Peter LeBlanc† (Engineering) Ian Mitchell Yao† (Engineering)	FailBot - LLM-based SFMEA Generation
Okos, Martin R	1601	Paridhi Agarwal† (Engineering)	Advancing Domain-Centric Tutors in LLM Frameworks
Olivo, Elizabeth Marie	1264	Cooper Layne Hovda† (Engineering|JMHC)	Analysis of Electrode Charge Density Using Ultramicroelectrodes for Synchronous Intracortical Microstimulation

Name	Presentation	Students	Title
Olivo, Elizabeth Marie	1910	Areli Rosas† (Engineering) Brinna M Porat† (Engineering) Henry Alexander Chen† (Engineering)	Auditory Conditioning and Behavioral Threshold Assessment in Rodent Models for Intracortical Microstimulation Studies
Olson, Matthew	1913	Sydnie Alexandria Scozzaro† (Science|JMHC)	A Methodology for Detecting Helicobacter Hepaticus in an Inflammatory Bowel Disease Mouse Model Through Feces
Ooms, Nathan Allan	1064	Daniela C Islas† (HHS|Liberal Arts|JMHC)	Age and Sex Differences in Brain Metabolism and Motor Function
Opondo, Noah F	1033	Uyen Do† (Engineering) Kenzo Avery Evans† (Engineering) PO-Tsung Hsu† (Engineering) Eric Younghoon Song† (Engineering) Bobby Gu† (Engineering)	Development of a High-Selectivity Al2O3 Mask Strategy for Bosch-Based Etching in 3D Integration
Opondo, Noah F	7052	Eli Bradley Ade† (Engineering) Sabastian Hunter Hamilton† (Engineering) Zackary Pieter Homrich† (Engineering) Pham Anh Minh Nguyen† (Engineering) Rex Wu† (Engineering)	Process Development and Characterization of Through-Silicon-Vias (TSVs) for Advanced Packaging Using Deep Silicon Etching and a Photoresist Soft Mask
Ospina Larrea, Ana Maria	1723	Jabez Soongeui Shin† (Science) Stiwar Albeiro Catano Cardeno‡ (PWL)	Effect of artificial light at night and traffic noise on tadpole morphology and physiology
Ospina Larrea, Ana Maria	7018	Abby Marie Hagan† (Science)	A population viability analysis (PVA) approach to examine conservation strategies in the critically endangered Lehmann
Otchere, Solomon Kwesi	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Otto, Kevin John	1097	Evelynn Marie Papez† (Engineering|JMHC) Mayuka Valluri* (Engineering|JMHC)	Behavioral Analysis of Intracortical Ultramicroelectrode Stimulation
Otto, Kevin John	1133	Mayuka Valluri† (Engineering|JMHC) Evelynn Marie Papez* (Engineering|JMHC)	Effect of Spatial Differences on Perceptual Discrimination Thresholds in Intracortical Microstimulation (ICMS)
Otto, Kevin John	1264	Cooper Layne Hovda† (Engineering|JMHC)	Analysis of Electrode Charge Density Using Ultramicroelectrodes for Synchronous Intracortical Microstimulation
Otto, Kevin John	1910	Areli Rosas† (Engineering) Brinna M Porat† (Engineering) Henry Alexander Chen† (Engineering)	Auditory Conditioning and Behavioral Threshold Assessment in Rodent Models for Intracortical Microstimulation Studies
Oyeleke, Toluwani Chosen	1500	Allison Margaret Neff† (DSB) Byron Qi† (Science) mayank Agarwal† (Engineering) Parth Kapila† (Polytechnic) Rhea Rajendra‡ (Science)	From Manual to Agentic AI: Redesigning Workflows with Predictive AI and Automation
Ozcan, Kenan Emin	1488	Sophia Anne Matthias† (Science|JMHC)	Assessing the potential synergistic effect of miR-34a and miR-200b for treating cancer
Pal, Sreetama	1143	Amanda Danielle Wolf† (Agriculture|Engineering|JMHC)	An Assay for Tracking Consequences of Viral Matrix Protein Interaction with Biological and Biomimetic Membranes
Pan, Liang	1524	Jonathan Samuel Ryan† (Engineering)	(SCALE) Topology optimization of flow structures for cooling multi-chip modules

Name	Presentation	Students	Title
Pan, Mixuan	9005	Rajin Gupta Braynard† (Engineering) Benjamin Scot Zarkiewicz† (Engineering) Shang-Hung Yu† (Engineering) Henry Joseph Hoorizadeh† (Engineering|JMHC)	Specialized Hardware-Accelerated Stream-Encryption
Pandit, Partha Pratim	1402	Rebecca Anne Agustin Ang† (Engineering|JMHC) Paige Katherine Hackleman* (Engineering) Marissa Ann Capelli* (Engineering) Brock Elliot Rosenberger* (Engineering) Denver Anderson Bush* (Engineering)	Quasi-Static and Dynamic Properties in Flexible Fused Filament Fabrication Polymers
Panjwani, Anita Aalia	1009	Adrienne M Baumann† (HHS)	Associations Between Diet Quality and Demographics, Metabolic Biomarkers, and Behavioral Outcomes: Findings from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Suppo
Pappas, Donald Lewis	1672	Shreyes Kanumuru† (Science)	Salt-adapted E. coli Display Cross-Protection in Acidic Conditions: Potentially Accelerating Antimicrobial Resistance
Park, Jae Hong	1074	Matthew H Klein† (HHS) Jacob Alan Malone‡ (HHS|Liberal Arts|JMHC) Alexander Miroslav Todorov* (HHS)	VOC Exposure Profile for AVGAS Exposed Airport Workers
Park, Jae Hong	1686	Shane Kevin Limas† (HHS|JMHC)	Evaluation of Respiratory Protection Devices Against Manual Metal Arc Welding Fumes Using a Simulated Breathing Head Model
Park, Jae Hong	1813	Arni Prakash Bhatnagar† (HHS)	Tobacco-Flavored E-Cigarette Aerosol Suppresses Immune-Resolution Pathways and Initiates Early Lung Remodeling Following Sub-Chronic Inhalation Exposure
Park, Joon Hyeong	1033	Uyen Do† (Engineering) Kenzo Avery Evans† (Engineering) PO-Tsung Hsu† (Engineering) Eric Younghoon Song† (Engineering) Bobby Gu† (Engineering)	Development of a High-Selectivity Al2O3 Mask Strategy for Bosch-Based Etching in 3D Integration
Park, Joon Hyeong	7052	Eli Bradley Ade† (Engineering) Sabastian Hunter Hamilton† (Engineering) Zackary Pieter Homrich† (Engineering) Pham Anh Minh Nguyen† (Engineering) Rex Wu† (Engineering)	Process Development and Characterization of Through-Silicon-Vias (TSVs) for Advanced Packaging Using Deep Silicon Etching and a Photoresist Soft Mask
Park, Keun Jun	1144	Umar Yasser† (DSB) Ryan William Gilbert† (DSB) Kanan Gurbanov† (DSB) John Paul Williams† (DSB) William Henry Jack‡ (DSB) Owen Alexander Hershberger‡ (DSB) Shuoming Yu‡ (DSB)	From WIP to Inventory: Data?Driven Insights for Engine Manufacturing
Park, Sunghee	7026	Anna Catherine Dressman† (Science)	Modeling Metabolic Dysfunction-Associated Steatotic Liver Disease Using Liver Organoids

Name	Presentation	Students	Title
Pascuzzi, Pete E	1705	Ari Jayin Pathak† (Science) Emma Yingxue Jiang† (Science) Anika Ghosh Maji† (Science) Rohan Baste-Bania† (Science) Ian Kwan Yin Lam‡ (Science) Paras Sandeep Punater‡ (Science|JMHC) Seo Young Lee‡ (HHS) Leena Avani Karmarkar‡ (Engineering) Zixuan Xu‡ (Engineering) Karthik Varigonda* (Science|JMHC) Shreya Krishnan* (Engineering) Cayden Yang* (Science)	Improving Colorectal Polyp Diagnosis: From ResNet-18 to Vision Transformers
Pascuzzi, Pete E	1905	Alexander Whitaker Raber† (Liberal Arts|Science) Karthik Varigonda† (Science|JMHC) Neeil M Gupta† (Science) Sanjita Balaji† (Engineering) Anna Harstick‡ (Engineering)	Evidence of Significant Lateral Gene Transfer in the Spread of KPC?2 Carbapenemase Across Diverse Antibiotic-Resistant Species
Patil, Indira Dhananjaya	1093	Prisha Grace Mungara† (Science) Riya Singh† (Science)	AI SHARE: Building the Global AI Attitudes Research Portal
Paulsen, Isabelle Rose	1654	Ava Louise Hale† (Agriculture|JMHC)	Messy or Marvelous: Public Opinions on Shoreline Management Styles
Pearce, Ben K D	1527	Arunima Saha† (Science) Gretchen K Minich* (Science|JMHC)	Investigating Microbial Motility as a Potential Agnostic Biosignature: Osmotic Pressure
Pearce, Ben K D	1884	Gretchen K Minich† (Science|JMHC)	Potential of Microbial Rotation as an Agnostic Biosignature
Peng, Huiyun	7032	Arjun Sandeep Gupte† (Engineering) Ahmed Tarek Ibra Elmersawy† (Engineering) Andre Lee† (Science) Sanjay Sriram† (Engineering) Stefan Teodor Maxim† (Engineering)	SysLLMatic: Large Language Models are Software System Optimizers
Peng, Yuxiang	1665	Krish Jain† (Science) Mrigna Goel† (Science)	GenAI-Driven Semantic Verification for Neural Math Theorem Proving
Perera, Hettiarachchige D	1228	Khushi Choksi† (Engineering)	AI-empowered Laser-Induced Graphene-based Microfluidic Sensor for Continuous Wireless Na/K Monitoring
Perera, Hettiarachchige D	1739	Pranavi Vedula† (Engineering)	Wearable Textile Triboelectric Glove for Grasp Force and Pressure Sensing
Perez Herrera, David	1529	Aakash Sanjay† (Engineering) Sanika Sudhir Bane† (Engineering) Andrew Jonathan Savysky† (Engineering) Nikitha S Kambi† (Engineering) Rhea Rakhra† (Engineering)	Effect of Maternal Albumin Concentration on Small-Molecule Binding
Perez Herrera, David	7053	Rhea Rakhra† (Engineering) Sanika Sudhir Bane† (Engineering) Nikitha S Kambi† (Engineering) Andrew Jonathan Savysky† (Engineering) Aakash Sanjay† (Engineering)	In vitro measurements mimicking Placental Transfer of Small Molecule Drugs
Peroulis, Dimitrios	1600	Priya Adiga† (Engineering|JMHC) Emiliano Javier Gomez† (Engineering) Paul Shannon Slack† (Engineering|JMHC) Connor Bradley Frey† (Science)	OFDM Synchronization for Satellite Communications: From Software Simulation to FPGA Implementation
Peroulis, Dimitrios	1938	Jack Thomas Willard† (Engineering|JMHC)	Design of Electrically Small Dielectric Resonator Antennas
Peters, Bukola Otoise	1242	Sharon Oluwadara Dosunmu† (Science)	Impact of Smoke-Free and Tobacco-Free Campus Policies on Tobacco Use: A Systematic Review
Peters, Bukola Otoise	1830	Allison Wood Danhof† (HHS)	Temporal Shifts and Sociodemographic Predictors of Adolescent Polysubstance Use in the United States, 1995–2023

Name	Presentation	Students	Title
Pham, Catherine Tien	1291	Divya Raghvendra Manvikar† (Engineering) Rachel Catherine Ellis‡ (HHS) Megan Ann Bogemann‡ (HHS)	Structural Priming Treatment Enhances Discourse Production in Aphasia
Pham, Catherine Tien	1534	Lourdes Beatriz Segura† (HHS|Liberal Arts|JMHC)	Extending Structural Priming Training from Sentence to Discourse: A Pilot Study in People with Aphasia
Pham, Catherine Tien	1676	Marissa Corrin Killion† (HHS) Allison Elizabeth Weber† (HHS) Abigail Grace Bolton† (HHS) Rachel Lilly Turner† (HHS)	Improving Sentence Production in Aphasia Through Structural Priming Treatment
Phillips, Bethany Ana	1426	Ronald Anton Cutler† (Science)	Exploring the Effects of Modifications to Metal Chalcogenide Clusters Using Mass Spectrometry
Pietri, Jose E	1325	George B Roberts† (Science|JMHC) Amanda Renee Schoonmaker‡ (Agriculture|JMHC)	Interspecific interactions between cockroach species through behavior studies
Porterfield, D. Marshall	1476	Ana Sofia Leiva Aldana† (Agriculture|Engineering) Simone Xin Moulton‡ (Engineering|JMHC)	Sustainable materials derived from fungal mycelium by integrating mycoponics growth technology and controlled environmental systems
Porterfield, D. Marshall	7054	Mia Constance Schecter† (Agriculture|JMHC) Lily Amelia Zheng† (Agriculture|Engineering) Gram Henry Zavos† (Engineering) Henry Joseph Ewald† (Engineering) Gregory Alfred Glenn‡ (Engineering) Sushma Katta‡ (Engineering) Victoria Rose Lucarelli‡ (Engineering) Elizabeth Marleen Gray‡ (Science) Leesa Chelsea Takara‡ (Engineering) Shruti Subramaniyan‡ (Engineering)	Design and Optimization Through Experimental Validation of a Microgreen Growth Chamber for Lunar and Terrestrial Applications
Porterfield, D. Marshall	7101	Simone Xin Moulton† (Engineering|JMHC) Adriana K Sanchez‡ (Agriculture|Engineering) Tayla Chamlee Koenig‡ (Agriculture|Engineering) Ana Sofia Leiva Aldana‡ (Agriculture|Engineering) Alvin Hu‡ (Engineering) Archit Srivastava‡ (Agriculture|Engineering) Makayla Nicole Phillips‡ (Engineering|JMHC) Zihan O Zeng‡ (Engineering|JMHC)	Designing Biological Infrastructure for Spaceflight: Mycoponics as an ECLSS and In-Situ Manufacturing Platform
Poudyal, Shishir	1640	Colton Joseph Forrest† (Science)	Generation of Reporter HCV-SINV Chimera for the Structural Study of HCV Envelope Glycoproteins
Pradhan, Romila	1065	Ritwik Suresh Jayaraman† (Science)	Zero-shot Machine Unlearning on Tabular Data
Pressler, Karis	7077	Christian Domingo Lo† (DSB)	An Evaluation of Interwar Tariff Pass-through: Heterogeneity and Retail Prices in the Smoot-Hawley Tariff Era
Price, Richard Albert	1854	Reese Nicole Hoffer† (HHS|Liberal Arts)	Picture This: Empowering Individuals with Disabilities to Examine Their Future Through Art
Prissel, Kelsey	1034	Kylee Rene Dodd† (Science) Walker Andrew Millhoff* (Liberal Arts|Science) Isabella Grace Shockley* (Engineering|Science)	Investigating the Effects of Sample Size on Lunar Analog Characterization
Prissel, Kelsey	1401	Stephen A Anderson† (Science)	Mantle Mineralogy on Venus
Pujari, Anurag Rajendra	1003	Sabina Akelbek† (Science) Farah Hazim Moha Shohatee† (Science|JMHC) Elyse Youngstedt† (Agriculture|Engineering) Mia Noreen Wilhite† (Agriculture|Engineering|JMHC)	Decoding the Phage Tail: Structural Differences Between Virulent and Temperate Bacteriophages

Name	Presentation	Students	Title
Pujari, Anurag Rajendra	1027	Erica Paige Conley† (Agriculture|Engineering|JMHC) Madison Lih-Rong Hou† (DSB) Noah Daniel Brooks† (Agriculture|Engineering|JMHC)	An Evaluation of PhaBOX for Predicting Bacteriophage Lifestyle and Gene Function
Pujari, Anurag Rajendra	1029	Elizabeth Nan Zi Darland† (Agriculture|Engineering) Olivia Lucille Kimmick† (Science) Janelle Mei Macler† (Science) Divya Vishal Wadhwa† (Engineering)	Comparative Pattern Analysis of Hypothetical Proteins Across Clustered Phages
Pujari, Anurag Rajendra	1060	Yara Zaidoun Hijaz† (Science|JMHC)	Structural and Functional Characterization of GH43 Enzymes in Sorghum Arabinoxylan Degradation
Pujari, Anurag Rajendra	1069	Sreesha Vedavalli Kidambi† (Agriculture|Engineering) Alyssa Brianna Sutherlin† (Agriculture|Engineering|JMHC) Jason England Thiagarajan† (Agriculture|Engineering) Evan Michael Trent† (Agriculture)	Identifying Oligomers with Defined Functions in Phage Genomics
Pujari, Anurag Rajendra	1136	Lea Camille Vojslavek† (Science) Yara Zaidoun Hijaz‡ (Science|JMHC) Jasmine Rae Harper* (Science|JMHC)	Effectiveness of DMSO in Cryoprotection of Escherichia coli Strains
Pujari, Anurag Rajendra	1316	Katherine Alfreda Poirier† (Agriculture|Engineering|JMHC) Dagan James Knight† (Engineering|JMHC) Jehereli Abisai Scheker-Garcia† (Agriculture|Engineering) Lucy Jean Fanning† (Agriculture|Engineering)	Using existing predictive protein structure software and neural network models to identify protein functions of hypothetical proteins
Pujari, Anurag Rajendra	1322	Eva E Refeld† (Agriculture|Engineering) Perry William Reel† (Agriculture|Engineering|Liberal Arts) Sein Kim† (Science)	Reporting Results on the Validity of Current Technology on the Characterization of Phage AirForce1 Orphams
Pujari, Anurag Rajendra	1331	Carolyn Elizabeth Sams† (Agriculture|Engineering) Lana Malek† (Agriculture|Engineering) MiKayla Hennigh† (Science|JMHC) Francesca Werner‡ (Science)	Advancing Predictive Phage Therapy Through Machine Learning–Driven Functional, Geographic, and Structural Analysis
Pujari, Anurag Rajendra	1432	Emma Foster† (Agriculture|Engineering|Pharmacy|JMHC) Jose Luis Melendez† (Agriculture|Engineering)	Hypothetical Proteins and ORPhams at Bacteriophage Genome Ends
Pujari, Anurag Rajendra	1486	Carlie Ann Lukowiak† (Agriculture|Engineering) Bailey Elizabeth Freese† (Agriculture|Engineering) Natalie George Khazal† (Agriculture|Engineering|JMHC) Annalise Irene Coyne† (Agriculture|Engineering|JMHC)	Analyzing Transmembrane Potential in Hypothetical Proteins: A Case Study
Pujari, Anurag Rajendra	1652	Kathryn Suzanne Gribben† (Agriculture|Engineering) Natalia Brynn Gaffney† (Agriculture|Engineering) Nadia Helen Whalen† (Agriculture|Engineering) Phoebe G Smock† (Agriculture|Engineering)	Investigation into Bacteriophage Circular Genomes
Pujari, Anurag Rajendra	1912	Adriana K Sanchez† (Agriculture|Engineering) Gabriel Adam Murray† (Agriculture|Engineering) Muskan Chirania† (Science) Olivia Madison Krzyzanowski† (Agriculture|Engineering)	Hypothetical Protein Categorization Through Integrated Sequence Annotation and Tertiary Structural Modeling
Pujari, Anurag Rajendra	4001	Bumkyu Kim† (Agriculture|Engineering) Layla Elizabeth Doreski† (Agriculture|Engineering) Tina Atmani† (Agriculture|Engineering) Elliana Rose Lemberis† (Agriculture|Engineering)	Evaluating Unofficial HHpred Function Calls in SEA-PHAGES Genome Annotations

Name	Presentation	Students	Title
Pujari, Anurag Rajendra	7021	Olivia B Williams† (Science) Claire Henley Shurling† (Agriculture|Engineering)	A Genetic Analysis of Microbacterium Smegmatis Cluster K Bacteriophages for Tuberculosis Infection Treatment
Pujari, Anurag Rajendra	7028	Emily Joy Reeves† (Agriculture) Samuel Pelfrey† (Agriculture|Engineering) Timothy Michael Raplee† (Agriculture)	Evaluation of SeqHub for Accurate Predictions of Novel Phage Genome Functions
Pulver, Benjamin Edward	1701	Cadance William Lucas Ormsby† (Science|JMHC) John Cheng Yu Chang‡ (Engineering) Gino Christian Daniels‡ (Science)	R&D Efforts toward a Carbon Fiber Wire Drift Chamber
Pundith, Vinay	1110	Myles Joshua Pristin Querimit† (Engineering) Mixuan Pan† (Engineering)	Design and Implementation of FP16 and BF16 Floating-Point Units for the Atalla AI Accelerator
Putman, Cara C	9015	Anvi Datta† (DSB|JMHC) Lauren Courtney Coons† (DSB|JMHC)	A Systematized Review of Business Ethics Education
Qadir, Muhammad ibtsaam	3005	Steven Tibor Kiss† (Science)	Artificial Intelligence for Prediction of Post-Pancreatectomy Textbook Outcomes in Pancreatic Ductal Adenocarcinoma
Qi, Wenzhu	7095	Gwendolyn Mae Enoy Carreon† (Science|JMHC)	Effects of Proximal Phosphorylation Sites on pT231-Tau Antibody Affinity
Qiao, Li	1944	William Xinyue Zheng† (Engineering)	Characterizing Sustainable Aviation Fuel Physical Properties Using Viscometry
Qiao, Li	7064	Gary Huang† (Engineering)	Symbolic Regression as a Correction Method for Vapor-Liquid Equilibrium Prediction
Qiao, Li	9006	Joshua Timothy Burroughs† (Engineering|JMHC)	Predictive Modeling of Jet Fuel Mixture Absorbance via the Beer-Lambert Law
Qiao, Li	9027	Margaret Ellen Heritage† (Engineering|JMHC) Ishaan Breinig* (Engineering)	Development of a 1D Coaxial Heat Exchanger Performance Model and Experimental Setup Reconstruction
Qiu, Qiang	1266	Gaetano Antonio Iannotta† (Engineering) Samarth Bhatt† (Science) Tyler Daniel Grabowski† (Engineering) Mehak Kaur Virdy† (Science)	AI For Education
Qiu, Qiang	1747	Zhenghao Xu† (Engineering) Boyang Wu† (Engineering) Aishani Sakalabhaktula† (Engineering) Anya Chauhan† (Science) Gaetano Antonio Iannotta* (Engineering)	End-to-End Ontology-Driven Knowledge Graph Extraction and Question Answering Framework for Educational AI Chatbots
Quintero, Kayla Janis	1124	Mae Adele Stirrup† (Liberal Arts|Science|JMHC)	Optimization of the Growth of Carrots in Varying Substrates
Radhakrishnan, Anukrishna	3104	Dhriti Manish Laddha† (HHS)	Analysis of Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple-Negative Breast Cancer (TNBC)
Raghavan, Siddeshwar	1630	Aahana Dahiya† (Engineering) Simarleen Kaur† (Engineering) Khue Ngoc Minh Pham† (Science) Donald Alexander Weintz* (Engineering) Divyansh Pramanick* (Science) Nived Ambadipudi* (Engineering)	Spatial Inventory: Semantic Scene Change and Asset Tracking with Apple Vision Pro
Raghavan, Siddeshwar	1836	Gideon H Fulton† (Engineering) Rochelle R Xue† (Engineering) Alexandre Wade Rosental† (Engineering) Chieh-Chi Hu* (Polytechnic)	Satellite Image Change Detection
Raghavan, Siddeshwar	1919	Arnav Chandra Singh† (Science) Kriti Kishan Nandakumar† (Engineering) Benjamin Tyler Nguyen† (Engineering) Edward Ayomide Ojuolape† (Engineering)	BoilerDIET: A Dietary Tracking Application

Name	Presentation	Students	Title
Raghavan, Siddeshwar	7081	Donald Alexander Weintz† (Engineering) Divyansh Pramanick† (Science) Nived Ambadipudi† (Engineering) Aahana Dahiya‡ (Engineering) Khue Ngoc Minh Pham‡ (Science) Simarleen Kaur‡ (Engineering)	Semantic Room Mapping with Apple Vision Pro
Raghunathan, Anand	1110	Myles Joshua Pristin Querimit† (Engineering) Mixuan Pan† (Engineering)	Design and Implementation of FP16 and BF16 Floating-Point Units for the Atalla AI Accelerator
Rahman, Md Ashiqur	7033	Harishramani Venkatasubramanian† (Engineering) Ishan Gopu Nair† (PWL) Mudit Pandey‡ (Engineering) Ron Cheng Xuan Chay‡ (Engineering) Isaac Parks‡ (Engineering) Md Sadat Aarik‡ (Engineering) Govind Sriram Lanka‡ (Engineering)	Thermally Insulating Dehumidification Membranes
Rahman, Md Ashiqur	7072	Ishan Gopu Nair† (PWL) Mudit Pandey† (Engineering) Md Sadat Aarik† (Engineering) Isaac Parks‡ (Engineering) Govind Sriram Lanka‡ (Engineering) Ron Cheng Xuan Chay‡ (Engineering) Harishramani Venkatasubramanian‡ (Engineering)	Asymmetric Polyethersulfone Membranes with Tailored Pore Morphology for Efficient Passive Dehumidification
Rahman, Md Ashiqur	7079	Ron Cheng Xuan Chay† (Engineering) Govind Sriram Lanka† (Engineering) Ishan Gopu Nair‡ (PWL) Isaac Parks‡ (Engineering) Mudit Pandey‡ (Engineering) Md Sadat Aarik‡ (Engineering) Harishramani Venkatasubramanian‡ (Engineering)	Performance Modeling of a Membrane-Based Industrial Dryer
Rahman, Md Masudur	1043	Mahad Khalid Faruqi† (Science) Yuhyun Na† (Science) Aditya Kuniyil Kattil† (Science|JMHC)	Improving Improvisational Reasoning in Vision Language Models for Procedural Adaptation
Rahman, Md Masudur	1514	Rishi Vineeth Poduval† (Science) Navya Singh† (Science) Tuan Minh Pham† (Science)	Bridging the Sim-to-Real Gap in Medical Simulation via Diffusion-Based Generation of Clinically Realistic Patient Videos
Rahman, Md Masudur	1748	Ningyuan Yang† (Science)	Using Vision Language Models to Provide Reward Signals for Reinforcement Learning
Ramakrishnan, Monica	1009	Adrienne M Baumann† (HHS)	Associations Between Diet Quality and Demographics, Metabolic Biomarkers, and Behavioral Outcomes: Findings from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Suppo
Ramirez, Paulo	1509	Evan Clark Paull† (Engineering|JMHC) Nathan Lee† (Engineering) Akash Bethur† (Engineering) Nathan John Champley‡ (Engineering) Sloan Bennett McDonald‡ (Engineering)	Optimization of Sea-Vessel Tracking Satellite Constellation via Genetic Algorithm
Ramirez, Sean Sebastian	1056	Ramiro Guntin Rodriguez† (DSB|Engineering) Vedant Agarwal† (Engineering) Yousuf Ahmad Al-Jared† (Engineering) Jack Thomas Willard† (Engineering|JMHC) Pranav Boyapati† (Engineering) Gechun Guo† (Science) Ameya Chaturvedi† (Engineering) Jaco Xia† (Engineering)	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers

Name	Presentation	Students	Title
Ramirez, Sean Sebastian	1227	Yuha Choi† (Engineering) Vikram Ganesh Kumar† (Engineering) Tanvi Chukka† (Engineering)	Optimization of Superconducting Qubit Control and Readout Pulses with Maxwell-Schrödinger Methods
Ranasinghe Mudiyanselage, Wikum Roshan Ban	7135	Ishita Mukadam† (Engineering)	Early Detection of Chronic Kidney Disease Related Bone Fragility Using Quantification of Glycosaminoglycans
Ranganathan, Pooja	1348	Abhaya Sundar† (Engineering)	Voltage Window Engineering in O3-Type NaNFMO Layered Oxide Cathodes for Enhanced Stability in Sodium-Ion Batteries
Rapp, Christopher Nathan	3212	William Enrique Schenk† (Science) Regan Shay Newby* (Polytechnic|Science)	Methanol Degradation of Tubing in Laboratory Experiments
Ratliff, Timothy L	1019	Julia Elizabeth Casales† (Science) Grace Engblom Wolf‡ (Engineering) Ava Grace Harrison‡ (Science) Naomi Joy Scott‡ (Science)	Artificial Multispecific Ligand for the Targeting of Bladder Cancer Cells
Rausch, Steve Clayton	1863	Carlyn Elizabeth Ketcherside† (Engineering) Blanka Helena Bak† (Engineering) Ryan Francis Chemmanoor† (Engineering) Veadesh Dhanasekar† (Engineering)	ICE 40 Battleship Game
Rausch, Steve Clayton	9005	Rajin Gupta Braynard† (Engineering) Benjamin Scot Zarkiewicz† (Engineering) Shang-Hung Yu† (Engineering) Henry Joseph Hoorizadeh† (Engineering|JMHC)	Specialized Hardware-Accelerated Stream-Encryption
Rausch, Steve Clayton	9014	Akshada Dake† (DSB) Maxim Sergey Kolbunov† (Engineering) Sreisti Chowdhury† (Engineering) Bryan Puitim Yuen‡ (Engineering) Andrew Kwak‡ (DSB) Joshua Abraham Upputuri‡ (Engineering) Kevin Hong‡ (Engineering) Ashwath Mahesh Menon‡ (Engineering|JMHC) Benjamin Viet Dang‡ (Engineering) Davyd Postolaki‡ (Engineering) Kiet Tuan Tran‡ (Engineering|Science) Micah Joseph Baughman‡ (Engineering) Calvin Dang‡ (DSB) Brooke Ann Wertanen‡ (DSB) Liam Alexander Christopher‡ (Engineering)	Energy Harvesting Strategies to Extend Battery Life in Allegion Electronic Locking Systems
Rausch, Steve Clayton	9046	Hang Minh Nguyen† (Engineering) Benjamin Viet Dang† (Engineering) Ninh Tan Nguyen† (Engineering)	Light-Pulsing ADC and Morse Decoding Peripherals System
Ravikiran, Akshath Raghav	1023	Vihaan Reddy Chinthakindi† (Engineering)	Static Graph Compilation and Memory Planning for ML Inference on the Atalla AI Accelerator
Ravikiran, Akshath Raghav	1147	Robert Yida Zhang† (Engineering) Jiayi Liu† (Engineering) Michael X Zhang† (Engineering) Soumil Verma† (Engineering) Mary Francis‡ (Engineering|JMHC)	Kernel Library for Efficient AI Model Inference on the Atalla AI Chip
Ravikiran, Akshath Raghav	1212	Pranav Bantval† (Engineering) Jia-He Zhou† (Engineering) Advay Welling† (Engineering) Raghuv Potdar† (Engineering) Aadi Aniruddha Rave† (Engineering|Science)	Compiler for Computer Graphics Workloads with Software-Handled Hazards
Ravikiran, Akshath Raghav	1294	Aidan Michael McDonough† (Engineering) Erhao Chen† (Engineering)	Analysis of the Cardinal gpGPU via Benchmarking with the Nest Custom Graphics Pipeline
Ravikiran, Akshath Raghav	1356	Nikolai Viswanath† (Engineering|JMHC) Jai Anand Keskar† (Engineering) Alexander Michael Rizzi† (Engineering)	Optimizing Scattered Data Access in Open-Source GPUs via Shared Memory

Name	Presentation	Students	Title
Ravikiran, Akshath Raghav	1843	Syd Ghosh† (Engineering)	Accelerating 2D Triangle Rendering and Pixel Interpolation through Fixed-Function Hardware.
Ravikiran, Akshath Raghav	1874	Yoonwoo Lee† (Engineering) Alexander Popescu‡ (Engineering)	Analyzing GPU Graphics Pipeline: Library and Workload Expansion with Geometric Clipping and Shading for the Cardinal Cx01
Ravikiran, Akshath Raghav	3002	Adrian Daniel Buczkowski† (Engineering) Jason Dumaual Lyst† (Engineering) Edward Zhaolong Hu† (Engineering) Heng-I Chu† (Engineering) Xinyu Liu† (Engineering) Shams Tahsinul Hoque† (Engineering|JMHC)	Atalla AI Accelerator Non-Blocking DRAM Memory Controller Subsystem
Ravikiran, Akshath Raghav	7005	Rafael Monteiro Martins Pinheiro† (Engineering)	Custom Cycle-Accurate Simulation Framework for DNN Accelerator Performance Analysis
Red Elk, Melanie K.	1501	Madison Grace Niehaus† (DSB) Olivia Noelle Wright† (DSB|Liberal Arts) Stephanie Elizabeth Camacho Calderon† (DSB) Pooja Madhav† (DSB) Kylee Ruth Helen Lucas† (DSB)	Purdue RecWell Project
Reed, Jason B	1613	Ashley Grace Baker† (HHS|JMHC) Samantha L Johnson‡ (HHS)	Higher Poultry Consumption Does Not Associate with Cardiovascular Morbidity and Mortality: A Systematic Review of Prospective Cohort Studies
Reed, Jason B	7006	Samantha L Johnson† (HHS) Ashley Grace Baker‡ (HHS|JMHC)	Association Between Poultry Consumption and Type 2 Diabetes Morbidity and Mortality: A Systematic Review of Prospective Observational Cohort Studies
Reega, Sarah Jean	7029	Tatum Reese Ebbeskotte† (Science|JMHC)	Partners and paws: Couples
Reindersma, Kenneth Barton	7087	David Rubin† (Engineering|JMHC) Stephen Michael Tushentsov† (Engineering)	Development and Optimization of Inductively Coupled Plasma Neutralizer for Electric Propulsion Applications
Reinhardt, Jason	1419	Alexandria Grace Chrusciel† (Science|JMHC)	Climate Change and Conflict
Remian, Bethany Ruth	1066	Lauren Elizabeth Johnson† (Science|JMHC)	Ice, Ice, Maybe: Depositional Origins of the Konnarock Formation, VA
Renguette, Corinne Catherine	9048	Sherlyn Padilla† (Polytechnic)	Researching STEM writing assessment tools Abstract
Renkert, Sarah R	7003	Lorraine Elizabeth Hairston† (Polytechnic) Reece Ann Allen† (Liberal Arts) Samuel Patrick Corum† (Polytechnic) Logan Palmer Jordan† (Liberal Arts) Ashley Joann Phelps‡ (Pharmacy)	Boilermaker Food Experiences: Navigating Insecurity, Creativity, and Connections on Campus
Revankar, Shripad T	1052	Jackson Carey Goehle† (Engineering) En-Hua Chang† (Engineering) Oluwatoye Oseseme Akintunde‡ (Engineering)	Potential Approach to Betavoltaic Batteries Field-Augmentation Technique (FAT) for Depletion-Region Scaling and Power-Density Breakthroughs
Revankar, Shripad T	4000	Jackson Carey Goehle† (Engineering) En-Hua Chang† (Engineering) Oluwatoye Oseseme Akintunde‡ (Engineering)	Potential Approach to Betavoltaic Batteries Field-Augmentation Technique (FAT) for Depletion-Region Scaling and Power-Density Breakthroughs
Reynolds, Jeremy E	1206	Aditya Anand† (DSB|Liberal Arts)	Measuring the Relationship between Work Schedules and On-the-job Harassment
Ribeiro, Bruno	1022	James Chen† (Science) Kritav Dalal† (Science)	Educational Minecraft LLM Agent

Name	Presentation	Students	Title
Ribeiro, Bruno	1246	Tianhong Feng† (Science) Parthav Garg† (Science) Kaushik Attuluri† (Science) Ajay Rajaram Bharanidhar† (Science) Nathan Nguyen† (Science)	AI for Constrained Optimization
Ribeiro, Bruno	1342	Myeong-geun Song† (Science)	OpenAI-Proxy: Optimizing Local LLMs with Smart Batching and a Hybrid Engine
Ribeiro, Bruno	1482	Kipling Liu† (Science)	LLMs for Causal Discovery
Ribeiro, Bruno	1552	Henry Hengyi Tsay† (Science) Nikita Gorshkov† (Science)	Flow-based Alignment of Graph Input Spaces in ALL-IN Foundation Models
Ribeiro, Bruno	1866	Steven Tibor Kiss† (Science) Ritwik Suresh Jayaraman† (Science) Ansh Tandon† (Science) Atharva Vaibhav Thakur† (Science)	Human-in-the-Loop RAG Systems for Scalable Domain Knowledge Assistance
Ribeiro, Bruno	1924	Atharva Vaibhav Thakur† (Science)	DAGPA++: Scalable and Stable Differentiable Constraint-Based Causal Discovery
Ribeiro, Bruno	7057	Kaivalya Agrawal† (Science) Govind Singh Buttar† (Science) Riadh Uthman Alhumaidan† (Science)	AI For Agentic Logistics
Ribeiro, Bruno	7058	Kaivalya Agrawal† (Science)	Compositional AI for Logistics
Ribeiro, Bruno	7119	Lorenzo Ryan Lopez† (Science) Nathan Walter Witt† (Science) Neel Mehta† (Science) Pranav Tallapaka† (Science)	Generative AI for Endowing Data-driven Causal Discovery with World Knowledge
Ridgway, Kenneth D	1028	Jessica Marie Cyr† (Science)	Formation and Demise of Oceanic Plateaus: A Comparative Case Study of Ontong Java, Shatsky Rise, and Siletzia
Ridgway, Kenneth D	1066	Lauren Elizabeth Johnson† (Science|JMHC)	Ice, Ice, Maybe: Depositional Origins of the Konnarock Formation, VA
Ridgway, Kenneth D	1466	Fiona Siobhan Kennedy† (Science) Ainsley Hadden† (Science) Lauren Elizabeth Johnson‡ (Science|JMHC)	Investigating the provenance of the Chulitna Terrane of Alaska: continental or oceanic origins?
Rietdyk, Shirley	1479	Emily Rachael Levi† (HHS) Evan Matthew Droste† (HHS) Eric Thomas Warta‡ (HHS) Ella Rose Painter* (HHS)	Locomotion Biomechanics: Sex Differences in Multitasking
Ringenberg, Tatiana Renae	1855	Andrew Ryan Holloway† (Polytechnic)	Studying Online Safety Perceptions Through Grooming Scenarios
Ristroph, Kurt	1004	Abigail Catherine Alexander† (Agriculture)	Regulation of bone remodeling through co-delivery of STING antagonist and phenamil nanocarriers.
Ristroph, Kurt	7102	Lana Malek† (Agriculture|Engineering)	Sustained-Release Naloxone Nanoparticle Formulation for Fentanyl Overdose Prevention
Rittner, Ryan David	1930	Tri Quang Vo† (Science) Sarah Mohapatra† (Science) Nakshatra Hansika Tondepu† (Science) Seunghyun Yoo‡ (Science)	Enhancing Graph-Based Retrieval in Explore-AGORA: Schema Refinement, Explainable Retrieval
Ro, Bohyun	1812	Gabrielle Elise Besel† (HHS|JMHC)	Home-based heat therapy in older adults with type-2 diabetes
Robinson, Morgan Jefferies	1062	Ella Lyn Hubbard† (HHS|JMHC)	Human induced pluripotent stem cell models to recapitulate DNMT1-Y511C variant in 2D neurons and chimeric mouse models
Rochet, Jean-christophe	1048	Armitha M Gade† (Liberal Arts|Science|JMHC)	Role of NGLY1 on Parkinson's disease pathology
Rochet, Jean-christophe	1929	Theoni Christina Vlachos† (Science|JMHC)	C-Abl inhibition To Treat PD

Name	Presentation	Students	Title
Rochet, Jean-christophe	7095	Gwendolyn Mae Enoy Carreon† (Science|JMHC)	Effects of Proximal Phosphorylation Sites on pT231-Tau Antibody Affinity
Rochet, Jean-christophe	7158	Luke A Diehl† (Pharmacy|JMHC)	Phosphoproteomic characterization of alpha-synuclein PFF-injected rodents reveals novel mechanisms of PD pathogenesis
Rodriguez, Natalia Maria	1699	Reigan Kay Nies† (HHS)	A Review of Clinic-Based HPV Self-Sampling Implementation Strategies and Impact on Cervical Cancer Screening Participation
Rodriguez, Natalia Maria	1810	Deeksha Gayathri Badugu† (Engineering) Katherine Schallwig† (HHS|JMHC)	Cervical Cancer Education and Screening Intervention for People Experiencing Homelessness: Impact on Knowledge, Attitudes, and Screening Preferences
Roge, Erica Ryann	1738	Lilly Cathleen Thomas† (Agriculture)	Analyzing the Effects of Transportation Stress on the Blood-Brain Barrier in Pekin Ducks
Roldan Carvajal, Mateo	1404	Alex Jameson Appiah† (Engineering) Owen Charles Hastings† (Engineering|JMHC) Rohan Ashish Shrowty* (Engineering)	Mixer and Separator Optimization for Ionocaloric Refrigeration Cycles
Roldan Carvajal, Mateo	1724	Rohan Ashish Shrowty† (Engineering)	Characterization of the Separation via Reverse Osmosis in Ionocaloric Refrigeration Cycles
Rolfe, John William	1411	Kai Broben Fassino† (Engineering) Ashton Gligich† (Engineering)	Payload Release Mechanism For UAS (Purdue Aerial Robotics Team)
Rolfe, John William	1504	Ali Ayman Moha Omar† (Engineering) Zeyad Mohamed Al Elshafey† (Engineering) Abdulrahman Mohamed Abougendia† (Engineering) Salaheldin Elsayed Ibrahim AbdelMoaty† (Engineering)	BoilerHawk: Autonomous Drone Navigation Through Unknown Environments Using Depth-Based Occupancy Mapping and Real-Time A* Replanning in ROS 2
Rolfe, John William	1683	Jungwoon Lee† (Polytechnic) Nathan Jaekun Lee† (Engineering) Conrad Bogdan Chlipalski† (Engineering|JMHC) Jackson Martin Gross† (Engineering)	Airframe configuration in the VTOL aircraft
Rolfe, John William	1892	Obinna Chukwufumnya Onyebueke† (Engineering)	Energy Burden and Racial Inequality in Electricity Access: A Quantitative Assessment of the Southeastern United States
Rosell, Carla B	1007	Alina N Baig† (HHS)	Importance of Oral Health and Literacy
Rosell, Carla B	1014	Emily Grace Bolen† (DSB|HHS)	Weight against Society
Rosell, Carla B	1025	Gabriella J Choi† (HHS|JMHC)	Addressing Emotional Regulation Challenges in Autism Through Sensory Integration Therapy in Public Schools
Rosell, Carla B	1063	Ella Shannon Hudson† (HHS)	Crop-Livestock Farming
Rosell, Carla B	1089	Ella E Mingo† (HHS)	How Online Dating is Affecting the Mental Health of Young Adults
Rosell, Carla B	1116	Jose Angel Rodriguez Gonzalez† (HHS)	Hip-Hop Music as Protest
Rosell, Carla B	1120	Riya Singh† (HHS)	The Forensic Helix
Rosell, Carla B	1132	Elaina Rose Uilk† (HHS)	Synthetic Fuels and the Future to High-Performance Internal Combustion Engines
Rosell, Carla B	1241	Elena Rebecca Donoho† (Science)	Microplastics affect on Human Brain Health
Rosell, Carla B	1309	Shivany Parvathy Sumesh† (HHS)	The Juvenile Justice System and Adolescent Brain Development

Name	Presentation	Students	Title
Rosell, Carla B	1425	Claire Elizabeth Culligan† (HHS)	Gene Editing and Down Syndrome: Scientific Advances and Ethical Implications
Rosell, Carla B	1440	Bridgit Guin† (HHS)	Is Chronic Stress a Secret Killer?
Rosell, Carla B	1448	Sharice Holmes† (Liberal Arts)	Do Stand-Your-Ground Laws Lower Homicide Rates?
Rosell, Carla B	1517	Alina An-Ni Reuter† (HHS)	Cosmetic Tourism: Bargain or Burden?
Rosell, Carla B	1523	Madison Mae Ross† (Exploratory Studies)	What Effects do Ultra Processed Foods Have on the Body?
Rosell, Carla B	1655	Alexandria Jane Harmon† (HHS)	Forensic Science in the Legal System
Rosell, Carla B	1696	Cayden Paul Myers† (Exploratory Studies)	Bias in Criminal Justice: Predictive Algorithms and Judicial Inequality
Rosell, Carla B	1726	Ione Skyler Skafish† (HHS)	Alopecia Areata Treatment Methods: Evaluation of Effectiveness
Rosell, Carla B	1736	Saiesha Tewari† (HHS)	CRISPR Gene Editing Technology and its Implications for Parkinson
Rosell, Carla B	1741	Abigail Armida Villarias† (Exploratory Studies)	The Rise of In-Vitro Testing: Replacing Animal Testing in Cosmetic Safety Evaluation
Rosell, Carla B	1804	Meagan Angelo† (HHS)	Evaluating Cancer Screening and Care Delivery in the U.S. Military Health System
Rosell, Carla B	1873	Seo Young Lee† (HHS)	Who's Fault? Mental Health Therapy with AI Chatbots
Rosell, Carla B	8018	Deepti Aksharra Ramasamy† (Liberal Arts|Science)	The Interplay of Evolution and Politics in The Time Machine
Roth, Thomas Edgar	1056	Ramiro Guntin Rodriguez† (DSB|Engineering) Vedant Agarwal† (Engineering) Yousuf Ahmad Al-Jared† (Engineering) Jack Thomas Willard† (Engineering|JMHC) Pranav Boyapati† (Engineering) Gechun Guo† (Science) Ameya Chaturvedi† (Engineering) Jaco Xia† (Engineering)	Towards a 3D Finite Element Method Harmonic Balance Simulator for Superconducting Traveling-Wave Parametric Amplifiers
Roth, Thomas Edgar	1227	Yuha Choi† (Engineering) Vikram Ganesh Kumar† (Engineering) Tanvi Chukka† (Engineering)	Optimization of Superconducting Qubit Control and Readout Pulses with Maxwell-Schrödinger Methods
Rouhani, Seyedehmarzieh	1312	Ethan C Peyton† (Engineering|JMHC)	Design and Performance Evaluation of a High-Speed Low Power Current-Steering Digital-to-Analog Converter
Rouhani, Seyedehmarzieh	1367	Amanda Zheng† (Engineering)	Low-Power Design and Performance Characterization of a StrongARM Latch Comparator and Switched-Capacitor DAC for SAR ADC Applications
Rouhani, Seyedehmarzieh	1410	Andrew Doru Bogdan† (Engineering) Francis P Hasin† (Engineering) Eeshan Pratik Desai† (Engineering)	Design of a Current-Mode 3.3V Input to 1.8V Output Buck Converter IC in 180 nm CMOS
Rouhani, Seyedehmarzieh	1651	Thomas Allen Greer† (Engineering) Erik Kocinare† (Engineering) Chao Min Chung† (Engineering) Emma Lynn Stump‡ (Engineering) Mohamed Mostafa Hassan‡ (Engineering)	An In-depth Design and Simulation of Phase Locked Loops
Rouhani, Seyedehmarzieh	1656	Mohamed Mostafa Hassan† (Engineering) Emma Lynn Stump† (Engineering) Thomas Allen Greer‡ (Engineering) Erik Kocinare‡ (Engineering) Chao Min Chung‡ (Engineering)	LDO
Rouhani, Seyedehmarzieh	1663	Safa Islam† (Engineering) Eain Drae Oo† (Engineering|JMHC)	High-Speed Low-Power SAR-Assisted 2-Stage 8-Bit Pipeline ADC

Name	Presentation	Students	Title
Rouhani, Seyedehmarzieh	1754	Kade M Zisko† (Engineering)	Design of a 2.4 GHz Voltage-Controlled Oscillator for Chiplet Interconnect Clocking
Rouhani, Seyedehmarzieh	1904	Arthur Prudius† (Engineering)	Transmitter Design and Integration for an Undergraduate-Led Die-to-Die Chiplet Interconnect
Rouhani, Seyedehmarzieh	7063	Dong Wang† (Engineering) Mohamed Aboelyazed† (Engineering) Arthur Prudius‡ (Engineering) Yan-Jun Lin‡ (Engineering)	Design and Simulation of a 4 Gbps Receiver analog front end for short-reach Chiplet Die-to-Die Interconnects.
Rounds, Ace	1145	Nicholas Casamir Yurkus† (Science) Truman Carl Parrish† (Engineering) Jeev Srinivas Sosale† (Science)	Automation Methods for Gamma Ray Spectroscopy and Data Analysis
Route, Hongjian Wang	3017	Minghan Wang† (Engineering)	A Comparative Narrative Study of the "Outsider" in Xun Lu and Albert Camus
Route, Hongjian Wang	9016	Zhihan Ding† (Liberal Arts)	From Jiangnan Rain to Shanghai Rain: Imagery Transformation and the “Humidity” of Modernity
Roy, Lipi	3109	Kaitlyn Marie Wayne† (Engineering)	Evaluating Post-Fire Environmental Testing Guidance for Standing Homes: Gaps, Risks, and Recommendations
Roy, Mahule	1930	Tri Quang Vo† (Science) Sarah Mohapatra† (Science) Nakshatra Hansika Tondepu† (Science) Seunghyun Yoo‡ (Science)	Enhancing Graph-Based Retrieval in Explore-AGORA: Schema Refinement, Explainable Retrieval
Rubaii, Kali	1216	Salma Adil Benmoussa† (Science|JMHC)	War is boring
Rubaii, Kali	1492	Bianca Isabel Miranda-Plaza† (HHS|JMHC)	Creation of Intensity Exposure Index for War-Related Exposures in Fallujah, Iraq
Rubaii, Kali	3015	Gitali Teckchandani† (Science)	The Unrecognized Burden: Tracing the Toxic Legacy of U.S. Burn Pits in Yathrib, Iraq
Rubaii, Kali	4006	Gitali Teckchandani† (Science)	The Unrecognized Burden: Tracing the Toxic Legacy of U.S. Burn Pits in Yathrib, Iraq
Rubaii, Kali	7125	Lauren Miranda Riina† (Liberal Arts)	Toxified Hope: How Iraqi Farmers Reclaim Food Sovereignty
Rudakov, Grigorii Aleksandrovich	1277	Anna Louise Kokosa† (Science|JMHC) Megan Webb‡ (Science)	Functionalized DNA tetrahedra nanostructures for delivery of siRNA across the Blood-Brain Barrier
Rudo, Megan Amy	7035	Berra Ulku Kalci† (Engineering) Taran Sid Koduri† (Engineering)	Simulation-Driven Redesign of a Robotic End Effector for Automated Steel Beam Construction
Ruiter, David Alan	1560	Solomon Francis Wakin† (Science) Elian David Coyotl Garcia† (Science) Devikaa Prashant Thakker† (Science) Hana Yang† (Engineering)	Higgs Rediscovery
Ruiter, David Alan	1735	Kai James Sustersic† (Science) Matthew Christopher Kim† (Science) Jacob Antony† (Engineering) Keshav Gollamudi† (Science)	Experimental Measurement of the Top Quark Mass and tt? Cross Section Through the Semileptonic Decay Channel Using CMS Data
Ruiter, David Alan	7083	Arushi Kolluru† (Science|JMHC) August William Mauer† (Science) Misty Chen† (Engineering)	Analysis of the Top Quark using Reconstruction of TTBar Events
Ruiz Velasquez, Jhoan Andres	1438	Ram Goyal† (Engineering) Paul Spitz* (Engineering)	Synthesis of Low-Carbon Solution-Processed CuInGaSe? and CuInSe? Materials with Potential Photovoltaic Applications

Name	Presentation	Students	Title
Running, Cordelia A	1059	Carla Hernandez† (HHS)	Effects of a Culturally Appropriate Snack on Sensory Evaluation and Cardiometabolic Outcomes in Hispanic/Latino Individuals: A Pilot Study
Rusert, Jonathan David	1681	Steven Michael LaGoy† (PFW)	Computational Model of Demographic Archetypes and Electoral Outcomes in the United States
Saad, Shams Mowafak	1918	Kamakshi Shandilya† (Science)	"OPTIMIZATION OF CALRETICULIN IMMUNOSTAINING TO STUDY NEXILIN FUNCTION IN MOUSE OOCYTES."
Saberian, Elham	1303	Conner Joseph Niemann† (Pharmacy|JMHC) Josi Laura Gallo† (Agriculture|JMHC) Jijnasu Prakash Rout† (Engineering) Audrey Frances Wise† (Pharmacy|JMHC)	Fabrication of Biomimetic Extracellular Matrix
Saberian, Elham	1337	Gabriel Scott Shifflett† (Engineering) Habin Jang† (Agriculture|Engineering) Ifeoluwa Ayodeji Fasan† (Science|JMHC)	Fabrication and Physicochemical Characterization of a Cellulose Triacetate Membrane as a Glomerular Filtration Model
Saberian, Elham	1529	Aakash Sanjay† (Engineering) Sanika Sudhir Bane† (Engineering) Andrew Jonathan Savysky† (Engineering) Nikitha S Kambi† (Engineering) Rhea Rakhra† (Engineering)	Effect of Maternal Albumin Concentration on Small-Molecule Binding
Saberian, Elham	7053	Rhea Rakhra† (Engineering) Sanika Sudhir Bane† (Engineering) Nikitha S Kambi† (Engineering) Andrew Jonathan Savysky† (Engineering) Aakash Sanjay† (Engineering)	In vitro measurements mimicking Placental Transfer of Small Molecule Drugs
Saldarriaga Ramirez, Violeta	1431	Mia Anne Fehlinger† (Science)	Effects of Acute Ketamine Treatment on Learning-Dependent Neural Plasticity in FXS Mice Models
Salike, Sriteja	9014	Akshada Dake† (DSB) Maxim Sergey Kolbunov† (Engineering) Sreisti Chowdhury† (Engineering) Bryan Puitim Yuen‡ (Engineering) Andrew Kwak‡ (DSB) Joshua Abraham Upputuri‡ (Engineering) Kevin Hong‡ (Engineering) Ashwath Mahesh Menon‡ (Engineering|JMHC) Benjamin Viet Dang‡ (Engineering) Davyd Postolaki‡ (Engineering) Kiet Tuan Tran‡ (Engineering|Science) Micah Joseph Baughman‡ (Engineering) Calvin Dang‡ (DSB) Brooke Ann Wertanen‡ (DSB) Liam Alexander Christopher‡ (Engineering)	Energy Harvesting Strategies to Extend Battery Life in Allegion Electronic Locking Systems
Samassekou, Kadidia	1469	Vincent Simon Knizka† (Pharmacy)	Advancements in Visualizing Phospholipase C Epsilon: A Fab Approach
Sana, Ramana prabhu	1500	Allison Margaret Neff† (DSB) Byron Qi† (Science) mayank Agarwal† (Engineering) Parth Kapila† (Polytechnic) Rhea Rajendra‡ (Science)	From Manual to Agentic AI: Redesigning Workflows with Predictive AI and Automation
Sanchez, Mitchell Dean	1200	Aqib Muhammad Abdullah† (Engineering|JMHC)	Designing, Prototyping, and Machining of Pen Holder For Button-Pressing and Small Object Manipulation

Name	Presentation	Students	Title
Sankaranarayanan, Karthik	1282	Larissa Leao Cruz† (Agriculture|Engineering)	Bioplastic manufacturing using Polyketide Synthases informed by Computational Planning
Santiago Colon, Angel Noel	7062	Kaylani Le'mae Tomlin† (Engineering)	Methods to control zeolite framework atom removal and insertion in varying environments within the MFI topology
Santiago Vargas, Alex David	1938	Jack Thomas Willard† (Engineering|JMHC)	Design of Electrically Small Dielectric Resonator Antennas
Saraswat, Dharmendra	1601	Paridhi Agarwal† (Engineering)	Advancing Domain-Centric Tutors in LLM Frameworks
Sardana, Pranshul	1714	Elana Simone Rhoge† (Engineering)	Benchmarking Methods for Defocused Particle Tracking Datasets
Sari, Pamela Kristina	4003	Lamiya Sajidbhai Laxmidhar† (Science)	AAARCC Community Cookbook
Sathisaran, Umamaheswari	7074	Agampreet Kaur† (HHS|JMHC)	Toxicity of Ultra Short Chain PFAS on Zebrafish As a Model for Human Health
Sau, Chakradhar	7011	Elian Inigo Turcal Rieza† (Engineering) Mingrui Yuan† (Engineering) Margaret Rose Mccarty† (Engineering|JMHC)	Implementation of Benes Network for Non-Blocking Connections Between CPUs
Sawatwong, Worapat	1875	Colton Frank Lehnen† (HHS) Ishmine Kaur Heera‡ (Science) Shivani Sivakumar‡ (HHS|JMHC) Andrew Yoon Young Cheong‡ (HHS|JMHC)	Role of antibiotic-induced gut dysbiosis on endurance exercise capacity, body composition, and ability to adapt to exercise.
Saxena, Tuhina	7069	Margaret H Prokopy† (Engineering|JMHC)	From Multilayer Stacks to One Film: A Monolithic Skin-Like Platform for Adhesive, Microfluidic, and Electrochemical Sweat Sensing
Scaliatine, Rachel JoAnn	9015	Anvi Datta† (DSB|JMHC) Lauren Courtney Coons† (DSB|JMHC)	A Systematized Review of Business Ethics Education
Scarpelli, Matthew Louis	1269	Sujal Joshi† (HHS|JMHC)	Biomarkers in Ferumoxytol-Administered Glioblastoma
Scarpelli, Matthew Louis	1457	Khloe Jean-Marie Jeffries† (HHS)	Nuclear Imaging for an In Vivo Model Using MOC1 and MOC2 Cells
Scarpelli, Matthew Louis	3104	Dhriti Manish Laddha† (HHS)	Analysis of Iron Nanoparticle and Radiation-Induced DNA Damage with Intracellular Calcium Quenching in Triple-Negative Breast Cancer (TNBC)
Scarpelli, Matthew Louis	7015	Anna Polkowski† (Science|JMHC)	Interdependence of Geometric and Dosimetric Parameters in Spatially Fractionated Radiation Therapy
Schaser, Allison J	1447	Loxea Anne Marie Hipsky† (HHS|Liberal Arts) Mya Helene Taylor† (HHS) Emily Wu† (HHS)	Retrograde axonal spread of alpha-synuclein pathology via the hypoglossal nerve in a transgenic mouse model of Parkinson's disease
Schaser, Allison J	1522	Isabella Julie Ross† (HHS) Emily Wu† (HHS) Mya Helene Taylor† (HHS) Loxea Anne Marie Hipsky‡ (HHS|Liberal Arts)	Utilization of rat and mouse ultrasonic vocalizations as an outcome measure in animal models of human communication: A scoping review protocol
Schellhase, Ellen M	1070	Hannah Kiefel† (Pharmacy)	Is There a Standardized Way to Manage Smart Pump Drug Libraries in the Hospital Setting?
Schellhase, Ellen M	9017	Jeffrey William Du† (Pharmacy|JMHC)	The Analysis of Reported Drug Allergies at St. Bartholomew's Hospital
Schiff, Daniel Stuart	1093	Prisha Grace Mungara† (Science) Riya Singh† (Science)	AI SHARE: Building the Global AI Attitudes Research Portal
Schmidt, Gudrun	1427	Ryan Iden Deldar† (HHS) Pim Rae Tee‡ (Science)	Plant-Based Adhesives Tested on Different Metal Surfaces

Name	Presentation	Students	Title
Schmidt, Gudrun	1548	Pim Rae Tee† (Science) Ryan Iden Deldar‡ (HHS) Vaanathy Periyarselvan‡ (Science)	Performance of Zein-Tannic Acid Underwater Adhesives for Dental and Biomedical Applications
Schmidt, Gudrun	1846	Peyton Elizabeth Graves† (Science) Allison Margaret Wildern† (Science)	Aging Properties of an Underwater Adhesive Derived from Plants
Schmidt, Gudrun	1879	Hadley E Macey† (Science) Connor Alexander Vargas† (Science)	Visible changes when curing plant-based adhesives underwater
Schmitt, Douglas R	1012	Ivana Naomi Bilic† (Science|JMHC)	Seismic Survey of the Kentland Impact Structure
Schneebeli, Severin Thomas	1257	Madison Theresa Grimsich† (Science) Jacqueline Grace Zelic† (HHS) Isabella Anne Marker‡ (Liberal Arts|Science)	Sequence-Defined Peptide Dendrimer Synthesis via Liquid-Phase Convergent/Divergent Coupling Strategy
Schneider, Darryl W	7041	Patrick E Pannier† (HHS)	Hunting Invisible Targets: Examining Noise and Prevalence Effects in a Novel Visual Search Task
Schober, Jenna M	1072	Alice Soyeon Kim† (Agriculture)	To stress or not to stress, a reevaluation of quail lines bred for stress responses
Schober, Jenna M	1298	Kaitlyn Jane Mossett† (Agriculture) Alice Soyeon Kim‡ (Agriculture)	Classical Quacks! The Effects of Auditory Enrichment on Pekin Duck Behavior
Schober, Jenna M	1513	Collette Elizabeth Plue† (Agriculture)	What the peck? Dopaminergic manipulation and feather pecking in Pekin ducks
Schwichtenberg, A. J.	1051	Eva R Gauthier† (HHS) Phillip Nguyen‡ (HHS)	Effects of Mild Sleep Restriction on Deep Sleep Success in the Magnetic Resonance Environment
Schwichtenberg, A. J.	1302	Phillip Nguyen† (HHS) Eva R Gauthier‡ (HHS)	Adherence to a Circadian Sleep Regularity Protocol and Achieving Deep Sleep in the Magnetic Resonance Environment
Sciascia Borlina, Caue	7036	Hiya Samanta† (Science|JMHC) Arin Bhave† (Engineering) Henry J Lee* (Science|JMHC) Siya Chirag Jariwala* (Science|JMHC)	Co-design and Development of VR Cave Experience for Geoscience Students
Scott, Alicia Nicole	7158	Luke A Diehl† (Pharmacy|JMHC)	Phosphoproteomic characterization of alpha-synuclein PFF-injected rodents reveals novel mechanisms of PD pathogenesis
Scott, Gabriel Alan	1683	Jungwoon Lee† (Polytechnic) Nathan Jaekun Lee† (Engineering) Conrad Bogdan Chlipalski† (Engineering|JMHC) Jackson Martin Gross† (Engineering)	Airframe configuration in the VTOL aircraft
Searle, Catherine L	7002	Megan Elizabeth Lawson† (Liberal Arts|Science)	The effects of abnormal temperature patterns on Batrachochytrium dendrobatidis density and size in vitro
Seetharaman, Sivaranjani	7027	Shaantanu Sriram† (Engineering) Efua Ayebea Asamani-Baah† (Science) Sebastian Bohrt† (Engineering)	Day Ahead Electricity Price Forecasting
Seetharaman, Sivaranjani	7123	Zephan Jacob Thomas† (Science) Nakul Sreekanth† (Engineering) Bhavya Lakhina† (DSB|Science|JMHC)	Socially Optimal Pricing and Capacity Dynamics in a Competitive EV Charging Corridor
Segvich, Dyann Marie	7131	Priyasha Majumdar† (Engineering)	Metabolic Dysfunction and Skeletal Health: Effects of Arginase 2 Deficiency on Bone Microstructure and Mechanical Properties
Semidey, Fransheska Marie	1352	Alexander Joshua Trump† (Agriculture) Matthew Westley‡ (Agriculture|Engineering|JMHC)	Enhancing Simultaneous Glucose–Fructose Consumption via Transporter Engineering in Saccharomyces cerevisiae

Name	Presentation	Students	Title
Senarath Pathiranage, Jathya Chathurika Karunathilaka	1729	Benjamin Douglas Springer† (Science) Sebastian Gao Meginnis* (HHS)	Inhibitory Properties of a Novel Whey Protein Concentrate on Porcine Epidemic Diarrhea Virus (PEDV)
Sengupta, Abhinanda	1348	Abhaya Sundar† (Engineering)	Voltage Window Engineering in O3-Type NaNFMO Layered Oxide Cathodes for Enhanced Stability in Sodium-Ion Batteries
Sereno, Anne B	1537	Farah Hazim Moha Shohatee† (Science|JMHC)	Combined pro/anti-saccade and coherent motion perception tasks for sensitive mTBI prognosis
Sereno, Anne B	8008	Alaila Mariah Jones† (HHS|Science) Prasiddhi Shivakumaran† (HHS|Liberal Arts)	An effect of recall on word recognition: assessing the interaction of anxiety induction and word valence
Sexton, Candice Starr	1219	Aiden Christopher Branon† (Polytechnic) Luke Wilson Heymann† (HHS)	Perceived Severity vs. Social Influence in the Development of Trauma-Like Symptoms
Sha, Kexin	1243	Peter Edvardsson† (Science) Amy Michelle Basca† (Engineering) Ryce Pi† (Science) Keshav Sriram Ramabhadran† (Engineering) Ropan Datta* (Science)	Adaptive, Interpretable Feedback for Music Practice: A Human-Computer Interaction Study
Shabnam, Sariya	8013	Lucas Allen Mathies† (HHS)	Beyond the Bell: A Qualitative Comparative Analysis of Relational Practices That Shape Pre-Service Teachers' Understanding of Student Needs
Shah, Jainil Dharmil	1083	Sophia Yixuan Lu† (Engineering)	Developing a Physics-based Digital Twin for Semiconductor Manufacturing Equipment
Shah, Jainil Dharmil	1301	Minh Huy Nguyen† (Engineering) Arnav Nadig Kadambi† (Engineering) Yuanxin Liu† (Engineering) Adithya Anand† (Engineering)	Design & Fabrication Process Simulation of MIM Capacitors using TCAD
Shah, Jainil Dharmil	1712	Vaishnnavi Purram† (Engineering|JMHC) Sicheng He† (Science) Omkar Ghodke† (Engineering) Paul Aiden Williams† (Engineering)	Pragmatika: AI-integrated Dynamic Virtual Twins for Next-Generation Semiconductor Equipment Training & Workforce Development
Shannahan, Jonathan H	1050	Camilla Pereira Garrow† (HHS)	Characterization of Macrophage Polarization States by Flow Cytometry and Gene Expression Analysis
Shannahan, Jonathan H	1237	Toben DeLaney† (HHS)	Serum Lipid Mediators and Metabolites Are Associated with Tendon Structural and Mechanical Properties in Type 2 Diabetes
Sharma, Akanshu	1254	Alexandra Sophia Garrison† (Engineering)	Anchorage Behavior Under Moment Loading

Name	Presentation	Students	Title
Shashurin, Alexey	1113	Aleks Ratkovic† (Engineering) Jacob Michael Jannotta† (Polytechnic) Kavin Gupta† (Engineering) Pavle Duric† (Engineering) Samuel Duprey‡ (Science) Henri Goosen‡ (Science) Alan Joshua Hsu‡ (Engineering) Ehan Souham Masud‡ (Engineering) Gabriel Loren Oliger‡ (Engineering) Peyton Aaron Williams‡ (Engineering) Ege John Balci‡ (Engineering) Stella Margarette Alcorn* (Engineering) Justin Andre Bachmann* (Engineering) Ashutosh Barman* (Engineering) Addison Bauer* (Engineering) Seth Berenson Berkowitz* (Engineering) Cole Emerson Blocher* (Engineering) Christopher Evan Brantley* (Science) Lyon T Burns* (Engineering) Nicholas Gabor* (Engineering) Henry Thomas Gleason* (Engineering|JMHC) Nyssa Guha* (Engineering) Katharina Anne Guth* (Engineering|JMHC) Gregg Hallman* (Engineering) Alvin Hu* (Engineering) Matthew Ethan Huffman* (Engineering) Ava Mary Janish* (Engineering) Pranav Krishnamoorthy* (Engineering|JMHC) Bruce Joseph LaBounty* (Engineering) Chewon Lim* (Engineering) Joseph Raymond Pelletier* (Engineering) Arthur Prudius* (Engineering) Anna Genevieve Radulski* (Engineering) Kumaran Aathiysh Surgunavel* (Engineering)	Development of the APEx CubeSat Mission
Shashurin, Alexey	1344	Christopher Robert Stemporzewski† (Engineering|JMHC) Aran Thevar† (Engineering) Deborah Mercylin David† (Engineering) Madeline G Taylor‡ (Science) Peyton Mackenize Barton‡ (Engineering) Suhani Pothireddy‡ (Engineering) Ashton Christopher Hoff‡ (Engineering)	Evaluation of Grid Manufacturing Methods for Reducing Arcing in Gridded Ion Thrusters
Shashurin, Alexey	1612	Olivia Eugenia Avalos Villar† (Engineering) Madeline G Taylor‡ (Science)	Design and Comparative Analysis of Hollow and Lattice Resistojet Thrusters for Small Satellite Applications
Shashurin, Alexey	1669	Bailey Marie Jones† (Engineering|Liberal Arts) Samir Mehra† (Engineering) Christopher Robert Stemporzewski† (Engineering|JMHC) Milo Li Reed† (Engineering) Madeline G Taylor‡ (Science)	Scaling the Axial Ring Cusp Hybrid (ARCH) Magnetic Configuration from 3cm Gridded Ion Thrusters to a 10cm Gridded Ion Thruster
Shashurin, Alexey	7087	David Rubin† (Engineering|JMHC) Stephen Michael Tushentsov† (Engineering)	Development and Optimization of Inductively Coupled Plasma Neutralizer for Electric Propulsion Applications
Shashurin, Alexey	7121	Nathan Yu† (Engineering) Ethan James Pugh† (Engineering) Madeline G Taylor‡ (Science) Robert Maxwell Neitzke‡ (Engineering) Aayush Ranjan Kumar‡ (Engineering)	Development, Analysis and Testing of an Undergraduate Hall Effect Thruster Using Alternative Channel Materials

Name	Presentation	Students	Title
Shaw, Alleé	1898	Julie Thu Anh Phung† (Engineering)	Recovered Pre-Gestational Acute Kidney Injury Preserves Gestational Vascular Function but Suggests Reduced Renal Reserve in Mice
She, Yu	1807	Aditi Gururaja Athreyas† (DSB)	Dexterous Hand Manipulation
She, Yu	1916	Milan N Shah† (Engineering) Chee Ying Tay* (Engineering|Science)	Achieving Dynamic Stability in a Full-Body Humanoid Robot Simulation using ROS2 for VIP Humanoid Robot Club
Sheffield, John W	1604	Abdullah Alkazemi† (Engineering) Anh Phuong Ho† (Engineering) Eliana Elise Roeder† (Engineering) Arav Prasanna Ginde† (DSB) Reese Jarl Jungblut† (Engineering) Brogan John-Michael Holt† (DSB|JMHC) Pranjal Bhatia† (Engineering) Parth Dama‡ (DSB) Maya R Labonte‡ (Engineering) Ethan Liu‡ (DSB) Sullivan Kelly Mills‡ (DSB) Chanyoung Moon‡ (Agriculture) Kylyne Kuo‡ (DSB) Elliott Benjamin Rudy‡ (Polytechnic)	Two-Phase Immersion Cooling for High-Density AI Data Centers
Shen, Yilin	1854	Reese Nicole Hoffer† (HHS|Liberal Arts)	Picture This: Empowering Individuals with Disabilities to Examine Their Future Through Art
Sheu, Vanessa	1362	Sarah Wu† (Liberal Arts|JMHC) Lucia Barrera Lamagna† (HHS|Liberal Arts) Shayna Ashley Ramirez† (Liberal Arts)	Language as a Window into Cognition: The Real-Time Interpretation and Reinterpretation of Syntactic Ambiguity by Native Speakers of English
Shi, Pengyi	7007	Bhavya Lakhina† (DSB|Science|JMHC)	Bi-level Facility Location Optimization for Substance Use Treatment in the Democratic Republic of Aru
Shi, Riyi	1752	Ryan H.C. Zhang† (Science)	A Deterministic Approach to Spike Detection from Calcium Imaging
Shivtarkar, Jayesh Satish	1254	Alexandra Sophia Garrison† (Engineering)	Anchorage Behavior Under Moment Loading
Shivtarkar, Jayesh Satish	1566	Ya-Ting Wu† (Engineering)	Experimental Analysis and Comparative Study for Anchor Reinforcement Configurations in Concrete Structures
Shrout, Rosie	1204	Ashley Alvarado† (HHS)	Stigma-related processes and psychological distress in college students with concealable chronic health conditions
Shrout, Rosie	1400	Makenzie Lee Albert† (HHS) Muskaan Navin Nigam‡ (HHS)	Gender differences in reported sleep quality and relational closeness among college students with concealable chronic health conditions
Shukle, Catherine Jean	1002	Atmika Ajay† (HHS)	College Mental Health Crisis Through Preventative Education
Shukle, Catherine Jean	1260	Ryan Jacob Hanson† (Science|JMHC)	Radiological Misdiagnosis in the Age of AI
Shukle, Catherine Jean	1267	Elley Rose Inskeep† (HHS)	EPA Sacrifice Zones: Issues and Alternatives
Shukle, Catherine Jean	1364	Addison Rae Yates† (HHS)	Long Term Effects of Childhood Trauma
Shukle, Catherine Jean	1456	Andrew Graham Jarrett† (HHS)	Mental Health Awareness for Police Officers
Shukle, Catherine Jean	1490	Konstantina May McLaughlin† (HHS)	Is Anti-Aging Immortality Ethical?

Name	Presentation	Students	Title
Shukle, Catherine Jean	1624	Nikki Cheng† (HHS)	Artificial Intelligence Integration in Nursing Education: Assessing Feasibility and Impact at Purdue University
Shukle, Catherine Jean	1628	Gia Rose Clay† (HHS)	Do modern mental health diagnoses rely too heavily on Western cultural definitions of normal behavior?
Shukle, Catherine Jean	1674	Natalia Zofia Karpiel† (HHS)	Integrating Dental Care into Standard Health Insurance: A Public Health Necessity?
Shukle, Catherine Jean	1691	Rebecca Reena Mai† (HHS)	How Should Fast Fashion Companies be Held Responsible for the Environmental and Ethical Impact of Their Production?
Shukle, Catherine Jean	1693	Mikayla Cambridge Meyer† (HHS)	How We Can Improve the Stigma Around Women
Shukle, Catherine Jean	1742	Jacelyn Sky Villinski† (HHS|Liberal Arts)	The Use of Alba Emoting at a University Level
Shukle, Catherine Jean	1753	Wenxin (Rebecca) Zhang† (HHS)	Mandatory Mental Health Screenings in Higher Education: Benefits, Risks, and Ethical Considerations
Shukle, Catherine Jean	1801	Katelynn Alexander† (HHS)	Understanding How Insurance Structures Shape Medical Students
Shukle, Catherine Jean	1841	Puneeta Ganga† (HHS)	The long standing effects of energy drinks on health among college students.
Shukle, Catherine Jean	1891	Chaemin Noh† (HHS)	Is our perception of reality easily manipulated?
Shukle, Catherine Jean	1914	Melody Olivia Seith† (HHS)	The Hidden Cost of Care: Examining Mental Burnout in Healthcare Professionals
Shukle, Catherine Jean	7024	Minh Tue Pham† (HHS)	Comparing Government-Led Supply Chain Restoration and Firm-Based Global Value Chain Strategies
Sibley, Julia M	3210	Jericho Robert Samide† (Polytechnic) Kailia Malaivanh† (Engineering) Tanush Ashok‡ (Engineering)	A Research Analytics Tool for Optimizing Research Productivity and Strategic Faculty Development
Siegmund, Thomas H	1326	Kaley Roe† (Engineering)	Evaluating Bone Material Properties Using Reference Point Indentation
Singer, Noah Charles	1075	Nikhil Sai Kodali† (Science) Sanjith Jothi Bala† (Science) Weiping Zhang† (Engineering|Science)	Evaluating Quantum Advantage in Financial Fraud Detection with Variational Quantum Models
Singer, Noah Charles	1284	Derek Yishio Lee† (Engineering) Nikhil Sai Kolli† (Engineering) Anubhav Majumdar† (Science)	Evaluating the Effectiveness of Quantum Machine Learning Models in Decoding Encoded Text
Singh, Ayush	1240	Ca Ngoc My Dinh† (Engineering)	UVM Verification of a Parameterized Binary Counter
Singh, Ayush	1363	Sirui Yang† (Engineering) Mohamed khaled Mohamed Atta† (Engineering)	UVM-Based Verification of a Platform-Level Interrupt Controller (PLIC)
Singh, Ayush	1417	Emmanuel Isaac Chang† (Engineering)	Verification of a Stack Pointer Through the use of UVM
Singh, Ayush	1692	Cristian Andres Martinez† (Engineering)	Introductory UVM: Verification of the First-In First-Out (FIFO) Data Buffer
Singh, Ayush	1852	Ningang Han† (Engineering)	Functional Verification of Synchronizer Module Via Universal Verification Methodology (UVM)
Singh, Ayush	3003	Shawn Chang† (Engineering)	Shift Register Testbench using Universal Verification Methodology

Name	Presentation	Students	Title
Singh, Ayush	9035	Dongliang Luo† (Engineering)	Improving Hardware Verification Through Corner-Case Testing of a First-In-First-Out Buffer
Singh, Devin Raj	1272	Aman Katyal† (Engineering) Nicholas Zhang† (Engineering) Ahmad Saleem Timbo† (Engineering)	USB Host Controller for Custom SoC
Singh, Richa	1670	Grace Lynn Jurkovic† (Science)	Vision In Context: Ecological Scaling of Mosquito Compound Eyes
Singh, Richa	1851	Nina Rose Hall† (Science|JMHC)	Navigating the Noise: How Urban Noise Impacts the Ability of a Frog-Biting Mosquito to Find Hosts
Singla, Tanmay	7150	Aditya Gandhi† (Science) Jiale Yu† (Science) Omar Ahmed Elsayed Attia† (Engineering) Rohan S Potta† (Science) Lavangi X Yadava† (Science)	Optimizing AI Agent Execution: A Cost, Latency, and Failure Aware Agent Runtime
Sinha, Sankalp	3103	Deep Kotasthane† (PWL)	VEGA: A Dual-Processor Voice-Controlled Robotic Architecture Using Finite State Machine-Based Deterministic Motor Control
Sintim, Herman O	1004	Abigail Catherine Alexander† (Agriculture)	Regulation of bone remodeling through co-delivery of STING antagonist and phenamil nanocarriers.
Sirnoorkar, Amogh	1881	Omkar Abhay Mamidpalliwar† (Science)	Unpacking introductory students' epistemic engagement with simulation and AI- integrated learning environment in physics
Sirnoorkar, Amogh	4004	Omkar Abhay Mamidpalliwar† (Science)	CalcGPT.ai and Multimodal Socratic AI for Math
Sisk, Benjamin Michael	9046	Hang Minh Nguyen† (Engineering) Benjamin Viet Dang† (Engineering) Ninh Tan Nguyen† (Engineering)	Light-Pulsing ADC and Morse Decoding Peripherals System
Sisk, Benjamin Michael	9053	Aaron Eli Shefter† (Engineering) Emmanuel Wright Rosa† (Engineering) Hoyoung Chun† (Engineering) Romir Reddy Gade† (Engineering) William Shao-wei Lo† (Engineering)	Application Specific Integrated Circuit (ASIC) for Audio Volume Visualization
Slizovskiy, Ilya	1803	Sakesh Andhavarapu† (Science|JMHC)	A Network Framework for Tracking Resistome-Mobilome Colocalization Across Fecal Microbiota Transplantation Cohorts
Slomski, Benjamin	1681	Steven Michael LaGoy† (PFW)	Computational Model of Demographic Archetypes and Electoral Outcomes in the United States
Smart, Mary Anne	7044	Cheyenne Mie Huggins† (Science)	Building Belonging and Self-Efficacy Through a Summer Bridge Program
Sneddon, Douglas Andrew	1638	celeste Enriquez† (HHS|JMHC)	A Psychometric Evaluation of the FAD General Functioning Subscale in Military-Connected Families
Sneddon, Douglas Andrew	1831	Olivia Ann marie Dirr† (HHS|Liberal Arts)	Analyzing AUDIT's Internal Consistency in the Operation Military Experience Study
Snyder, Sandy A	1452	Anna Leigh Huston† (HHS)	Barriers to Manufacturing Employment for Veterans with Traumatic Brain Injury: Employee and Employer Perspectives
Sohn, Hojin	1748	Ningyuan Yang† (Science)	Using Vision Language Models to Provide Reward Signals for Reinforcement Learning

Name	Presentation	Students	Title
Sonawala, Kevina Ravi	7114	Sophia Teng† (HHS|JMHC)	Genetic Modulation of Angiotensin-Induced Cardiac Hypertrophy in a Zebrafish Model
Song, Ci	8001	Simone Hana Fuller† (Liberal Arts) Barakah I Abdo-baari† (Liberal Arts) Mohana Milind Barve† (Liberal Arts|Science) Omar Musayev† (Science) Ashley E Broadstreet* (Liberal Arts) Shaurya Jindal* (Engineering|Liberal Arts)	Understanding What Constitutes Rhetorical Effectiveness on Capitol Hill
Song, Yingru	1762	Lindsay Kathryn Sutherland† (Engineering|JMHC)	SCALE: Synthesis and Thermal Characterization of Hydrophobic Aerogels for Heat Management in Advanced IC Packaging Applications
Soranno, Danielle E	1898	Julie Thu Anh Phung† (Engineering)	Recovered Pre-Gestational Acute Kidney Injury Preserves Gestational Vascular Function but Suggests Reduced Renal Reserve in Mice
Sori, Michael Manuel	1405	Oviya Arulraj† (Science)	Comparison of crater ejecta blankets on Mercury and the Moon and implications for impact crater formation
Sotelo, Luz	1402	Rebecca Anne Agustin Ang† (Engineering|JMHC) Paige Katherine Hackleman* (Engineering) Marissa Ann Capelli* (Engineering) Brock Elliot Rosenberger* (Engineering) Denver Anderson Bush* (Engineering)	Quasi-Static and Dynamic Properties in Flexible Fused Filament Fabrication Polymers
Sotelo, Luz	1719	Amelia Betrond Schriver† (Engineering)	Effects of Wear Profiles on the Dynamic Performance of Steel Roller Coaster Track
Sotelo, Luz	1865	Justin Kim† (Engineering) Emerson Grace Zubb‡ (Engineering) Andrew Henderson Lum‡ (Engineering) Noah James Maskal‡ (Engineering) Samuel Zapata‡ (Engineering) Grayson Cade Briles* (Engineering|JMHC)	Transparent Additively Manufactured Parts for Improved Mechanical Properties
Specht, Aaron James	1495	Alexander Lucian Molotiu† (Engineering|JMHC) Sydney Noel Ochs† (Engineering|JMHC)	Experimental and Monte Carlo–based dosimetric characterization of a monochromatic X-ray fluorescence (MXRF) system for in vivo bone lead (Pb) measurement
Sribunma, Worawis	1105	Ronit Podder† (Engineering) Alan Kang† (Science) Anderson Anousit Varner† (Engineering) Sriranga Pydimarri† (Engineering)	Fixed Wing UAV Classical GNC Path Planning
Sribunma, Worawis	1222	Braden Thomas Callaway† (Engineering) Dominic Henry Mazurek† (Engineering)	Autopilot Integration and High-Fidelity Simulation for Lightweight Unmanned Fixed-Wing Aircraft
Sribunma, Worawis	7090	Abhishek Kaushikkar† (Engineering) Ansh Grover‡ (Science) Ayush Chaurasia‡ (Engineering)	Frequency based System Identification of Mass Spring Damper and 3 Degrees of Freedom Fixed Wing Aircraft Systems
Sribunma, Worawis	9011	Ayush Chaurasia† (Engineering) Abhishek Kaushikkar‡ (Engineering) Ansh Grover‡ (Science)	Time-domain System Identification for Spring Mass Damper System
Srivastava, Swati	1502	Eric Tyler Oesterling† (DSB|Liberal Arts) Fayrouz Mourad† (DSB|Liberal Arts) Tejasvi Nallagundla* (Liberal Arts|Science)	Transparency or Performative Compliance: Auditing Online Platforms
Stahelin, Robert V	1143	Amanda Danielle Wolf† (Agriculture|Engineering|JMHC)	An Assay for Tracking Consequences of Viral Matrix Protein Interaction with Biological and Biomimetic Membranes

Name	Presentation	Students	Title
Starr, Hannah Elise	1415	Yunsoo Cha† (Education|Science) Brandon Frank Dvorachek‡ (Science)	Development of Online Review Modules for College Students in Organic Chemistry for Life Sciences II
Starr, Hannah Elise	1470	Maci Elizabeth Knoll† (Science) Sidney Erin Tindell† (Science|JMHC)	Development of a Curriculum Framework for Early Conceptual Engagement and Learning
Starr, Hannah Elise	1635	Nijaul Wyatt Drollinger† (Science) Lilia Elizabeth Raes† (Science) William Isaiah Need‡ (Science)	Teaching Symmetry and Chirality through the Synthesis of Iron(II) and Manganese(II) Tris(2,2
Starr, Hannah Elise	1832	Brandon Frank Dvorachek† (Science) Yunsoo Cha‡ (Education|Science)	Development of Molecular Geometry Microlearning Modules for a High School General Chemistry STEM Certificate Program
Steigenga, Niels Matheus Sy	3203	Yazan Ayad Hajjar† (Agriculture)	Evaluating High-Yielding, Drought-Tolerant Genotypes in NAM Wheat Populations
Stone, Amanda Elizabeth	7149	Arman Islam† (Engineering)	Embedded Sensing in Functional Material utilizing Additive Manufacturing
Strachan, Alejandro H	7130	Jacob Hayes Goehring† (Engineering|JMHC)	Shock-Induced Pore Collapse in Polymer-Bound Explosives: A Molecular Dynamics Study of Deflagration Initiation
Sturgis, Jennifer Elissa Sch	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Su, Elizabeth Tarami	1097	Evelynn Marie Papez† (Engineering|JMHC) Mayuka Valluri* (Engineering|JMHC)	Behavioral Analysis of Intracortical Ultramicroelectrode Stimulation
Su, Elizabeth Tarami	1133	Mayuka Valluri† (Engineering|JMHC) Evelynn Marie Papez* (Engineering|JMHC)	Effect of Spatial Differences on Perceptual Discrimination Thresholds in Intracortical Microstimulation (ICMS)
Subbarayan, Ganesh	1759	Timothy P Malloy† (Engineering|JMHC)	SCALE Solder Alloy Characterization Techniques for Microelectronic Reliability Insights
Subedi, Abhishek	1433	Marisa Jean Fredrickson† (Engineering)	Data Science for Smart Cities - Data Annotation
Subramanian, Sneha	1019	Julia Elizabeth Casales† (Science) Grace Engblom Wolf‡ (Engineering) Ava Grace Harrison‡ (Science) Naomi Joy Scott‡ (Science)	Artificial Multispecific Ligand for the Targeting of Bladder Cancer Cells
Subramanyam, Subhashree	7060	Adeline Bernice Dering† (Agriculture|JMHC)	Decoding molecular signatures in thermo-tolerant insect-resistant wheat for sustainable agriculture
Sudhoff, Samantha Rose	1743	Edward Jack Wang† (Science)	Cross-platform Analysis of Claim, Counterclaim, and Grounding in Climate Discourse
Sundaram, Shreyas	1504	Ali Ayman Moha Omar† (Engineering) Zeyad Mohamed Al Elshafey† (Engineering) Abdulrahman Mohamed Abougendia† (Engineering) Salaheldin Elsayed Ibrahim AbdelMoaty† (Engineering)	BoilerHawk: Autonomous Drone Navigation Through Unknown Environments Using Depth-Based Occupancy Mapping and Real-Time A* Replanning in ROS 2
Sunkula, Mahesh	7147	Christian Duane Ward† (Science) Ben Eng‡ (Science)	Geometric optics: A Hamiltonian Perspective
Surowiec, Rachel Kathleen	7131	Priyasha Majumdar† (Engineering)	Metabolic Dysfunction and Skeletal Health: Effects of Arginase 2 Deficiency on Bone Microstructure and Mechanical Properties
Surowiec, Rachel Kathleen	7135	Ishita Mukadam† (Engineering)	Early Detection of Chronic Kidney Disease Related Bone Fragility Using Quantification of Glycosaminoglycans

Name	Presentation	Students	Title
Suter, Daniel M	1567	Gaurangi Yadav† (Science|JMHC)	Traction Force Microscopy to Measure How Neuronal Growth Cones Interact with Substrates of Different Stiffness
Suthar, Deepak	1254	Alexandra Sophia Garrison† (Engineering)	Anchorage Behavior Under Moment Loading
Suthar, Deepak	1566	Ya-Ting Wu† (Engineering)	Experimental Analysis and Comparative Study for Anchor Reinforcement Configurations in Concrete Structures
Swabey, Matthew A	1273	Tyler Ken Kikuno† (Engineering) Brandon B Velasquez Hernandez† (Engineering) Joseph Alexander Schelb‡ (Engineering) Zhuoyu Yang‡ (Engineering) Aubrey L Jones‡ (Engineering)	2.4 GHz Radio Transmitter
Swanson, Kyle Robert	1362	Sarah Wu† (Liberal Arts|JMHC) Lucia Barrera Lamagna† (HHS|Liberal Arts) Shayna Ashley Ramirez† (Liberal Arts)	Language as a Window into Cognition: The Real-Time Interpretation and Reinterpretation of Syntactic Ambiguity by Native Speakers of English
Swihart, Jenna Nicole	1050	Camilla Pereira Garrow† (HHS)	Characterization of Macrophage Polarization States by Flow Cytometry and Gene Expression Analysis
Tabe, Ako Abane	1459	Zhengyi Jiang† (Science)	Exploring Embodied Reasoning in Engineering Students' Understanding of Statistics
Taghian Dinani, Soudabeh	1218	Alexander Marx Borrero† (Science) Siddharth S Kashyap† (Science) Rishab Yogesh Shenai† (Science) Ayush A Kedia† (PWL)	Fake Account Detection
Taghian Dinani, Soudabeh	1274	Max Ben-Azai Kirschner† (DSB) Jared Dong† (Engineering) Rohan Steven Quarve† (Engineering) Harshini Madhusudhanan† (DSB)	Artificial Intelligence for Social Media Analysis
Taghian Dinani, Soudabeh	1503	Yubeen Oh† (Engineering) Logan Michael Fossum† (Engineering) Akhilesh Tuttagunta† (Engineering) Zhuoyuan Li† (Polytechnic)	An Integrated Multimodal Pipeline for Disaster Response in Social Media
Tallman, Tyler N	1357	Antonia Vlahos† (Engineering) William Antonio Keyes† (Engineering|JMHC) Paige M Leusink† (Engineering) Arman Islam† (Engineering) Preston Ming Cheng† (Engineering) Enze Chen† (Engineering) Po-Han Yang† (Engineering) Ting Chen Wu† (Engineering) Alexandre Wade Rosental† (Engineering)	Self-Sensing Materials in Unmanned Aerial Vehicles
Tallman, Tyler N	1902	Ananya Prasad† (Engineering|JMHC)	Electrical Transport Properties of Additively Manufactured Carbon Fiber-Silicon Carbide (CF/SiC) for Ultra-High Temperature Aerospace Applications
Tamagno, Wagner Antonio	7014	Saraf Jalil Bhuiya† (HHS|JMHC)	Developmental Lead Exposure Programming of Age- and Sex-Dependent Dysregulation of Glutamatergic Signaling in Aged Zebrafish
Tamagno, Wagner Antonio	7016	Ashilyn Joseph† (HHS|JMHC)	Developmental Lead (Pb) Exposure Triggers Brain Oxidative Stress in the Brain of Male Adult F1 Zebrafish in a Multigenerational Assessment

Name	Presentation	Students	Title
Tanay, Ben Arie	1684	Sangjin Lee† (Engineering) Thet Naing Soe† (Engineering|Science) Aadi Hsien-Lin Wu† (Engineering) Elliott Kaito Sato† (Engineering)	ASTRA: Assured Scalable Telemetry Reliability Architecture Core
Tanay, Ben Arie	1863	Carlyn Elizabeth Ketcherside† (Engineering) Blanka Helena Bak† (Engineering) Ryan Francis Chemmanoor† (Engineering) Veadesh Dhanasekar† (Engineering)	ICE 40 Battleship Game
Tanay, Ben Arie	9001	Scott Andrew Anderson† (Engineering) Karan Soni† (Engineering) Aditya Gupta† (Engineering) Cody Zhu† (Engineering)	SoC for BLDC Motor
Tanay, Ben Arie	9005	Rajin Gupta Braynard† (Engineering) Benjamin Scot Zarkiewicz† (Engineering) Shang-Hung Yu† (Engineering) Henry Joseph Hoorizadeh† (Engineering|JMHC)	Specialized Hardware-Accelerated Stream-Encryption
Tanay, Ben Arie	9020	Nezar Fahmi† (Engineering) Zhicheng Benjamin Li† (Engineering) Nhan Viet Viet Do† (Engineering) Andrew Lu† (Engineering)	Asteroids ASIC
Tanay, Ben Arie	9026	Tyler Mathew Hein† (Engineering) Deepti Murali Rao† (Engineering) Parth Kalpesh Patel† (Engineering) Kruz Michael Schurz† (Science)	MP3 TinyTapeout Chip Design
Tanay, Ben Arie	9029	Arnav Juneja† (Engineering) Rishi Madipalli† (Engineering) Richard Liao† (Engineering) Aarush Agarwal† (Engineering|JMHC)	Pong FPGA Recreation
Tanay, Ben Arie	9033	Leo Fernando Lesmes† (Engineering) Tanvi Srisai Sajja† (Engineering) Landon Michael Block† (Engineering) Aaruni Singh† (Engineering)	Atari's Pong on Application Specific Integrated Circuit
Tanay, Ben Arie	9046	Hang Minh Nguyen† (Engineering) Benjamin Viet Dang† (Engineering) Ninh Tan Nguyen† (Engineering)	Light-Pulsing ADC and Morse Decoding Peripherals System
Tanay, Ben Arie	9053	Aaron Eli Shefter† (Engineering) Emmanuel Wright Rosa† (Engineering) Hoyoung Chun† (Engineering) Romir Reddy Gade† (Engineering) William Shao-wei Lo† (Engineering)	Application Specific Integrated Circuit (ASIC) for Audio Volume Visualization
Tang, Xindi	1713	Margot Eleni Rechin† (Science)	Native Mass Spectrometry of Carbonic Anhydrase and its Inhibitor Complexes
Tanoos, James J	1317	Jeeranun Poopanead† (Polytechnic) Qirui Zhou† (Polytechnic) Bryant Alexander Flint† (Polytechnic) Hazel Viral Shah† (Liberal Arts) Katherine Barrett Reeves† (Polytechnic)	Supply Chain Visibility
Tanoos, James J	1409	Laila Betancourt† (Polytechnic) Pranavi Pothuganti† (Science) Kyle M Yi† (Polytechnic) Fanyang Meng† (Polytechnic)	Digital Supply Chain
Tanoos, James J	1471	Tyler J Konz† (Polytechnic) Brooklynn Eve Fugate† (Polytechnic) Christian Gabriel Angelos Ampil† (Polytechnic) Micah Noel Stonecipher† (Agriculture)	Supply Chain Resilience
Tanoos, James J	1634	Noah Elliott Dreibelbeis† (Polytechnic) Mia Angela Abragan† (Polytechnic) Simon Randel Beazly† (Polytechnic) Nykolas A Chung† (Polytechnic)	Ticket Prices at Purdue Basketball Games Rows 42-46

Name	Presentation	Students	Title
Tanoos, James J	1671	Harshini Hariprakash Kanmihalli† (Polytechnic) Gabrielle Susan Druger† (Polytechnic) Quinn David McCormick† (Polytechnic) Pohsun Ho† (Polytechnic)	Optimal Ticket Purchase Timing for Purdue Men's Basketball Games: A Price and Availability Analysis
Tanoos, James J	1915	Hazel Viral Shah† (Liberal Arts) Johnny Andy Tan† (Polytechnic) Evan Liam Orton† (Polytechnic) Oscar Julio Pages† (Polytechnic)	Evaluating Timing and Seat Location Effects on Purdue Basketball Ticket Prices
Tanoos, James J	7137	Tin Shun Ng† (Polytechnic) River McKenzie Bolden† (Polytechnic) Rodrigo Lopez Rodriguez† (Polytechnic) Alexander Joseph Meyer† (Polytechnic) Pohsun Ho‡ (Polytechnic)	Supply Chain Expansion in an Era of Geopolitical Fragmentation: Strategic Market Selection in a Multipolar Global Economy
Tanoos, James J	7151	Mark S Altman† (Engineering) Jin Guo† (Agriculture)	A Determination of Air Emissions and Air Quality Impacts from Production in Indiana USA's Paper and Fabricated Metals Industries
Tanwar, Reeya	1118	Sofia Schumann† (HHS) Kishan Kumar Namburi‡ (Science) Nikita Goldfeld‡ (HHS) Preema Rahman Bhuiya‡ (HHS)	Chlorpyrifos-induced motor deficits are exacerbated in Pon1(-/-) vs wild type.
Tanwar, Reeya	1814	Preema Rahman Bhuiya† (HHS) Kishan Kumar Namburi‡ (Science) Sofia Schumann‡ (HHS) Nikita Goldfeld‡ (HHS)	Pon1 Knockout Amplifies Chlorpyrifos Induced Mitochondrial Dysfunction
Tanwar, Reeya	1845	Nikita Goldfeld† (HHS) Sofia Schumann* (HHS) Kishan Kumar Namburi* (Science) Preema Rahman Bhuiya* (HHS)	Dose dependent effects of Chlorpyrifos on Embryonic midbrain neurons
Tanwar, Reeya	1889	Kishan Kumar Namburi† (Science) Sofia Schumann* (HHS) Preema Rahman Bhuiya* (HHS) Nikita Goldfeld* (HHS)	Dose Dependent Effects of Chloropyrifos on Embryonic Cortical Neurons
Tawarmalani, Mohit	1246	Tianhong Feng† (Science) Parthav Garg† (Science) Kaushik Attuluri† (Science) Ajay Rajaram Bharanidhar† (Science) Nathan Nguyen† (Science)	AI for Constrained Optimization
Tawarmalani, Mohit	7057	Kaivalya Agrawal† (Science) Govind Singh Buttar† (Science) Riadh Uthman Alhumaidan† (Science)	AI For Agentic Logistics
Tawarmalani, Mohit	7058	Kaivalya Agrawal† (Science)	Compositional AI for Logistics
Taylor, Rhonda M	1880	Abigail Rose Malott† (Agriculture|Liberal Arts|JMHC) Alexandra Grace Early† (Agriculture) Katerina Murkes‡ (Science|JMHC) Sierra Hunnicutt* (Science|JMHC) Lourdes Gabrielle Ferrer-Ortiz* (Agriculture|JMHC)	A Comparison of eDNA Results to Remote Sensing Data to Determine Biodiversity
Tepeli, Esra	1315	Gage Pittman† (Polytechnic) Gavin James Henning† (Polytechnic) Stephanie Molina Pavon‡ (Polytechnic) Omar Rami Obaid‡ (Polytechnic) Victoria Celeste Bonilla‡ (Polytechnic)	Real Project, Real Deliverables: Measuring Experiential Learning Gains Through a Competitive Bid Proposal Studio
Terwilliger, Carrie P	1289	Lucas Andrew Louiso† (HHS)	Optimization of Sulfhydryl Resin-Assisted Enrichment of Functional Glutathione Reductase
Terwilliger, Carrie P	1512	Yasmin Louise Pirbhai† (HHS|JMHC)	Characterization of Neurite Degeneration Process in SH-SY5Y Cells in Application to Diabetic Peripheral Neuropathy
Tesini Roseguini, Bruno	1812	Gabrielle Elise Besel† (HHS|JMHC)	Home-based heat therapy in older adults with type-2 diabetes

Name	Presentation	Students	Title
Thakur, Atharva Vaibhav	7119	Lorenzo Ryan Lopez† (Science) Nathan Walter Witt† (Science) Neel Mehta† (Science) Pranav Tallapaka† (Science)	Generative AI for Endowing Data-driven Causal Discovery with World Knowledge
Thakur, Vedant Ajit	1930	Tri Quang Vo† (Science) Sarah Mohapatra† (Science) Nakshatra Hansika Tondepu† (Science) Seunghyun Yoo‡ (Science)	Enhancing Graph-Based Retrieval in Explore-AGORA: Schema Refinement, Explainable Retrieval
Thompson, Aaron W	1137	Grace Elizabeth Wagner† (Agriculture)	Northwest Indiana CELCP Plan: Kankakee River Blueway and Riparian
Thompson, Aaron W	1564	Caleb Anthony Weigel† (Agriculture) Savannah Gunderson* (Agriculture)	Kampen Golf Course Ecological Restoration
Thompson, Aaron W	1619	Grace Marie Caffee† (Agriculture) Odin Charles Johnson† (Agriculture) Jennifer Audree Kerr† (Agriculture) Grace Anne Ackerman† (Agriculture)	Gary ELevated: A Community Based Approach to Rails to Trails Initiatives
Thompson, Aaron W	7040	Hannah Elizabeth Kmetz† (Agriculture)	Public Perception in Conservation Planning: Understanding Influencing Factors on Northwest Indiana Threat and Investment Perceptions
Thompson, Peter John	1282	Larissa Leao Cruz† (Agriculture|Engineering)	Bioplastic manufacturing using Polyketide Synthases informed by Computational Planning
Tien, Jia-Huei	1346	Ian Strachan† (Engineering)	SCALE Impact of Intermetallic Compounds on the Mechanical Response of Solders
Tien, Jia-Huei	1868	William Ironside Koppin† (Engineering|Liberal Arts)	Nanoindentation Testing of SAC305 with Additive Bismuth for the Determination of Mechanical Property Influence
Tinio, Jerilyn Pia	1462	Lucy Cosette Juedemann† (Liberal Arts)	Small Data Logics: Community, Creativity, and Zine Culture as a Normative Lens for Human-Centered Information Technology
Tiwari, Anand D	1098	Paul Kyu-Hwan Park† (Polytechnic)	Microstructure-Thermal-Mechanical Correlation for Feasibility Assessment of Recycled Thermoplastic Aerospace Composites
Tomoo, Keigo	1213	Jadyn Marie Befort† (HHS|JMHC)	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.
Tomoo, Keigo	1239	Ariana Zoe Diaz Portalatin† (HHS)	Effect of Diet-Induced Obesity on the Hepatic Fatty Acid Carrier Proteome in Mice
Topp, Dave	1638	celeste Enriquez† (HHS|JMHC)	A Psychometric Evaluation of the FAD General Functioning Subscale in Military-Connected Families
Topp, Dave	1831	Olivia Ann marie Dirr† (HHS|Liberal Arts)	Analyzing AUDIT's Internal Consistency in the Operation Military Experience Study
Toro, Austin J	1666	Kartik Neetesh Jairam† (Engineering) Phuc Gia Do† (Engineering) Augustus Corle Gillespie† (Engineering) Nguyen Tuan Kiet Vu† (Engineering) Shalin Sinha‡ (Engineering) Matthew Roxas* (Engineering)	From Data to Decisions: A Climate Dashboard for the Standing Rock Community

Name	Presentation	Students	Title
Torres Arias, Santiago	1288	Roger He Li† (Science) Daniel Kailin Wu† (Engineering) Omar Ahmed Abdelrady Ismaiel† (Engineering) Rachel Alexis Rosenthal† (Polytechnic) Tarek Ibrahim Salama† (Engineering) Ling Peng Zheng† (Polytechnic) Daniel Jonathon Proano† (Science) Garv Atri† (Liberal Arts|Science)	ChainVisor: Exposing Software and Hardware Vulnerabilities Within the Supply Chain Through IoT Devices
Trice, Rodney W	1902	Ananya Prasad† (Engineering|JMHC)	Electrical Transport Properties of Additively Manufactured Carbon Fiber-Silicon Carbide (CF/SiC) for Ultra-High Temperature Aerospace Applications
TS, Shyamkumar	1435	Alejandra Maria Garavito† (Agriculture|JMHC) Riley Catherine Baker† (Agriculture)	Uterine rheology as a regulator of equine early placental development
Tuinstra, Mitchell R	1472	Payton John Willi Krueger† (Agriculture|JMHC)	Dhurrin-Free Forage Sorghum: Current Understanding and Future Research Focus
Tuinstra, Mitchell R	7055	Victoria Pearl White† (Agriculture|Science)	Contribution of Sorghum bicolor Genotype to Rhizosphere Microbiome Composition
Turner, Ryleigh Danielle	1074	Matthew H Klein† (HHS) Jacob Alan Malone‡ (HHS|Liberal Arts|JMHC) Alexander Miroslav Todorov* (HHS)	VOC Exposure Profile for AVGAS Exposed Airport Workers
Turner, Ryleigh Danielle	1492	Bianca Isabel Miranda-Plaza† (HHS|JMHC)	Creation of Intensity Exposure Index for War-Related Exposures in Fallujah, Iraq
Tyagi, Abhinav	1880	Abigail Rose Malott† (Agriculture|Liberal Arts|JMHC) Alexandra Grace Early† (Agriculture) Katerina Murkes‡ (Science|JMHC) Sierra Hunnicutt* (Science|JMHC) Lourdes Gabrielle Ferrer-Ortiz* (Agriculture|JMHC)	A Comparison of eDNA Results to Remote Sensing Data to Determine Biodiversity
Ukkusuri, Satish V	1937	Alexander J Weyer† (Engineering)	Identifying vulnerabilities in infrared range finders for transportation systems
Umulis, David M	1611	Garv Atri† (Liberal Arts|Science)	AI Model to Convert Image Regions into Vertex Models
Umulis, David M	7134	Aaryan Shandilya† (Engineering)	Validation Testing of EMBRIO Multiscale Modeling Code for Reproducible Biological Modeling Education
Uslu, Suleyman	9023	Taemoor Hasan† (Science|JMHC) Muhammad Ahmad Rizwan† (Science|JMHC) Yassir Khalaf† (Science)	Purdue OWL Chatbot: A Retrieval-Based Writing Support Tool for Students
Vaddi, Santhosh	7037	Aryan Anand† (Engineering)	Model Complexity and Generalization in FIFA World Cup 2026 Attendance Prediction
van 't Hoff, Merel	1545	Shruti Subramaniyan† (Engineering)	Tracing the Origins of Water: Constraining the Distribution of Heavy Water to Ordinary Water in a Planet-Forming System
Vancells Lopez, Laia	1247	Gabriel Figueiredo Barbosa† (Engineering)	Adaptive Surrogate Modeling for Rare Synchronization Event Discovery in Immune Digital Twins
Vancells Lopez, Laia	1318	Ramya Prasanna† (Science|JMHC)	A Machine Learning-Derived Immune Transcriptomic Signature for Breast Cancer Prognosis Across Independent Cohorts
Vargas, Andres J	1805	Paul Joseph Arthur† (DSB|Science|JMHC)	Do Universities' Room and Board Prices Reflect Local Cost of Living? A National Analysis

Name	Presentation	Students	Title
Vargas, Oscar	1525	Maria Alejandra Saavedra Mogotocoro† (PWL) Juan Pablo Marín Jaimes† (Universidad Industrial de Santander)	Recovery of Cathodic Material from Spent Lithium-Ion Batteries Using Organic Acids
Varnell, Suzanne Christine	1276	Sanah Kochhar† (HHS|JMHC) Yue Ying† (HHS)	Examining Gender Differences in Early Math: Parental Evaluations of Boys' and Girls
Vatkar, Nachiket	7013	Madelyn Erin Wurzel† (Engineering)	Input Stimuli-Driven Cognitive Workload Modeling Using Multimodal Wearable Physiological Nanosensors
Vazquez, Salvador Roberto	1276	Sanah Kochhar† (HHS|JMHC) Yue Ying† (HHS)	Examining Gender Differences in Early Math: Parental Evaluations of Boys' and Girls
Veenstra, Jessica Leigh	1269	Sujal Joshi† (HHS|JMHC)	Biomarkers in Ferumoxytol-Administered Glioblastoma
Veile, Amanda J	7046	Melody Yuedi Meng† (Liberal Arts|JMHC)	Associations between stature and labor complications in a healthy United States home birthing population
Venkatesan, Sowmiya Devi	1858	Andrea Carmen Jacobson† (Science)	Impacts of V-ATPase mutations on autophagy efficacy under stress in Arabidopsis
Verduzco Gastelum, Juan Carlos	9019	Asem Ibrahim Elenawy† (Engineering) Tony Shih† (Engineering|JMHC)	nanoHub Simulations Framework
Vhaduri, Sudip	1054	Margaret E Gretschmann† (HHS) Dushyant Vinay Singh† (Polytechnic) Atandrila Chowdhury* (Engineering)	Biometrics and the Flight and Simulator Environment: Understanding Fatigue and Stress in Student Pilots
Vijay, Tanvi	1500	Allison Margaret Neff† (DSB) Byron Qi† (Science) mayank Agarwal† (Engineering) Parth Kapila† (Polytechnic) Rhea Rajendra‡ (Science)	From Manual to Agentic AI: Redesigning Workflows with Predictive AI and Automation
Vijaya Sankar, Nikkhil	1433	Marisa Jean Fredrickson† (Engineering)	Data Science for Smart Cities - Data Annotation
Vijaya Sankar, Nikkhil	1605	Mohit Sachin Ambe† (Science)	Smart Cities - Audio Sentiment Analysis for PASER Asphalt Grading
Vijaya Sankar, Nikkhil	3016	Mark Vincent Waldron† (Science)	Efficient Data Acquisition for Mobile Sensing Platforms Using Continuous RGB-D Video and Adaptive Redundancy Filtering
Vijayan Pillai, Viju	1435	Alejandra Maria Garavito† (Agriculture|JMHC) Riley Catherine Baker† (Agriculture)	Uterine rheology as a regulator of equine early placental development
Villarreal, Cameron Xavier	3208	Carson Paul Rose† (Science)	Antibiotic-Induced Gut Microbiota Disruption and Its Effects on Taxonomic Composition and Circulating Cytokine Profiles Across a Longitudinal Mouse Model
Villarreal, Ryan Thomas	1095	Eduardo Paes Leme Jaqueira† (Engineering)	Brains in Sync: Measuring Team Performance through Neurophysiological Coupling
Volkening, Alexandria	1320	Rishika Ramakrishnan† (Science) Nanda Sreetha Binod† (Science) Namita Rohidas Sharma† (Science)	Modeling Multi-Dimensional Opinion Dynamics on Adaptive Networks
Wachs, Juan P	1043	Mahad Khalid Faruqi† (Science) Yuhyun Na† (Science) Aditya Kuniyil Kattil† (Science|JMHC)	Improving Improvisational Reasoning in Vision Language Models for Procedural Adaptation
Wachs, Juan P	1514	Rishi Vineeth Poduval† (Science) Navya Singh† (Science) Tuan Minh Pham† (Science)	Bridging the Sim-to-Real Gap in Medical Simulation via Diffusion-Based Generation of Clinically Realistic Patient Videos

Name	Presentation	Students	Title
Wachs, Juan P	1748	Ningyuan Yang† (Science)	Using Vision Language Models to Provide Reward Signals for Reinforcement Learning
Wadhwani, James P	1683	Jungwoon Lee† (Polytechnic) Nathan Jaekun Lee† (Engineering) Conrad Bogdan Chlipalski† (Engineering|JMHC) Jackson Martin Gross† (Engineering)	Airframe configuration in the VTOL aircraft
Wagner, Dane Christophe	1040	Samuele Patrick Fagone† (Science)	Oxygen reduction reaction gives insight into molecularly imprinted polymer (MIP) electrochemical PFAS sensor pH microenvironments
Wagner, Dane Christophe	1829	Ali Jo Crouse† (Science)	Using Molecularly Imprinted Polymer-Electrochemical Sensors (MIP-ES) To Track PFAS Over Time
Wagner, Ryan B	1529	Aakash Sanjay† (Engineering) Sanika Sudhir Bane† (Engineering) Andrew Jonathan Savysky† (Engineering) Nikitha S Kambi† (Engineering) Rhea Rakhra† (Engineering)	Effect of Maternal Albumin Concentration on Small-Molecule Binding
Wagner, Ryan B	1849	Annelie Kate Gustafsson† (Engineering) Kaitlyn Elizabeth Calland† (Engineering|JMHC) David Edward Jakel† (Engineering)	Vibrational Analysis of CubeSats
Wagner, Ryan B	1870	Ishaan Kumar† (Engineering)	Modelling the nanomechanical deformation of a flexible AFM indenter tip
Wagner, Ryan B	7053	Rhea Rakhra† (Engineering) Sanika Sudhir Bane† (Engineering) Nikitha S Kambi† (Engineering) Andrew Jonathan Savysky† (Engineering) Aakash Sanjay† (Engineering)	In vitro measurements mimicking Placental Transfer of Small Molecule Drugs
Wahi, Abhishek	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Wainwright, Dylan Kenji	1507	Madison Elizabeth Parr† (Agriculture|JMHC) Layla Renae Ehresman‡ (Agriculture) Adam Joseph Knauss‡ (Science) Chleo M Levin‡ (Agriculture) Alina Theresa Mathias‡ (Agriculture) Adan Victoriano Marquez‡ (Science) Rina Sueyoshi‡ (Agriculture)	Morphological Diversity of Scales Within and Among Individuals of Lepomis megalotis
Wainwright, Dylan Kenji	1685	Chleo M Levin† (Agriculture) Adan Victoriano Marquez* (Science) Adam Joseph Knauss* (Science) Madison Elizabeth Parr* (Agriculture|JMHC) Rina Sueyoshi* (Agriculture) Alina Theresa Mathias* (Agriculture) Layla Renae Ehresman* (Agriculture)	Morphology of Scale across Body Regions of Lepomis megalotis
Waltenburg, Eric N	7022	Calissa Dellabarca† (Liberal Arts)	Tenure and Dissent
Waltenburg, Eric N	9049	Anya Maureen Popa† (Liberal Arts)	The Politics of the Internet: From Democratic Optimism to Digital Repression
Wang, Beichen	1553	Mia Kuang Wen Tsou† (Science) Jillian New‡ (Science)	Defining the Treatment Period for Drug Screening in Zebrafish Models of Retinitis Pigmentosa
Wang, Cheng	1743	Edward Jack Wang† (Science)	Cross-platform Analysis of Claim, Counterclaim, and Grounding in Climate Discourse
Wang, Chia-Chun	1235	Navya Harini Datla† (Engineering) Michael Lee† (Engineering) Joshua David Klug† (Engineering) Jash Snehal Pola† (Engineering)	VLIW Scheduler Core Design for AI Hardware Accelerator Chip

Name	Presentation	Students	Title
Wang, Chih-Chun	1251	Connor Bradley Frey† (Science) Maya N Kobeissi† (Engineering) Andrew Thomas Choung† (Engineering) Muhammad Waliyullah Fazili† (Engineering) Mason Bowyoung Liu† (Engineering) James Patrick Graham† (Engineering) Luca Piero DalCanto† (Engineering)	Beyond 5G VIP
Wang, Dingxun	1511	Aditya Pillai† (Science|JMHC)	Loss of SMARCAD1 sensitises cells to chemotherapy drugs
Wang, Haiyan	1311	Katherine Xiaoxing Pesetski† (Engineering|JMHC) Boyang Wu* (Engineering) Haoyang Hu* (Engineering)	Development of an Automated Test Platform for High-Throughput Device Testing
Wang, Haiyan	9051	Sandeep Saravanakumar† (Engineering|JMHC)	Investigation of Ni-Fe, BaTiO3 Vertically Aligned Nanocomposite Memristors.
Wang, Haocen	1689	Yao Ma† (HHS)	Understanding Latine Adults' Perspectives on Family Health History for Cancer Prevention: Insights from Interviews with English- and Spanish-Speaking Participants
Wang, Jingkun	1737	Abhay Benjamin Tharakan† (Engineering)	Vocal Loudness and Stability as Behavioral Indicators of Surgeons' Non-Technical Skills
Wang, Jingkun	7070	Sofiia Shyshkovtsova† (Engineering)	An Utterance-by-Utterance Metric for Measuring Team Progress from Spoken Interaction
Wang, Jingkun	9061	Ruizhe Xie† (Engineering)	A Methodological Approach to Assessing Closed-Loop Communication in the Operating Room
Wang, Lei	1906	Adarsh V Rangayyan† (Engineering)	Deterministic Comparason of Existing Atmospheric Models on a Global Scale
Wang, Lei	7096	Jocelyn Yang† (Science)	In situ conversion of carboxylic acids, alcohols, and amines to aldehydes for DNA-encoded library construction
Wang, Qi	1064	Daniela C Islas† (HHS|Liberal Arts|JMHC)	Age and Sex Differences in Brain Metabolism and Motor Function
Wang, Qi	1885	Ashley Nicole Mitchell† (HHS) Lissette Mariel Aguiar* (HHS|JMHC) Daniela C Islas* (HHS|Liberal Arts|JMHC)	Quantitative MRI Indicators of Brain Manganese and Iron
Wang, Qianyue	1521	Abigail Ruby Rosborough† (HHS)	Vitamin E Metabolite Discovery
Wang, Xing	1144	Umar Yasser† (DSB) Ryan William Gilbert† (DSB) Kanan Gurbanov† (DSB) John Paul Williams† (DSB) William Henry Jack‡ (DSB) Owen Alexander Hershberger‡ (DSB) Shuoming Yu‡ (DSB)	From WIP to Inventory: Data?Driven Insights for Engine Manufacturing
Wang, Xing	1279	Anisha Kowdle† (DSB) Sreeya Thirunagari† (DSB|JMHC) Eric Tysinger† (DSB) Jack Martin Deane† (DSB) Marshall Alex Prince‡ (DSB) Zhiyun Guan‡ (DSB|JMHC) Francesco Joseph Facente‡ (DSB) Jakub John Jasinski‡ (DSB) Melisa Bulut‡ (DSB)	Demand Volatility and Lead Time Dynamics in Automotive Parts Supply Chains

Name	Presentation	Students	Title
Wang, Xing	1283	Chih-Yu Lee† (DSB) Shreyaa Karan† (DSB) Ming Tian† (DSB) Monica Rainy Cempaka Putri† (DSB) Sasank Nunna‡ (DSB) Nathaniel John Hiatt‡ (DSB) Leonard Shien Chiu‡ (DSB)	Multi-Metric Supplier Delivery Scoring: A Weighted Composite Framework for Manufacturing Performance Evaluation
Wang, Zeshu	1756	Geetika Chitturi† (Engineering|JMHC)	SCALE: Resistive Random-Access Memory Modeling and Fabrication for In-Memory Computing in the Back-End-of-Line
Wang, Ziran	1925	Andrew Joseph Thompson† (Science) Armaan Arshad Sayyad† (Science) Joseph Zou† (Science) Pranay Goel† (Science) Sumant Anantha† (Science) Zachary Thomas Nena† (Science) Pranav Sanghi† (Science) Rahal Themiya Ranasinghe Ranasinghe Mudiyanselage† (Science)	Opening the Black Box: A Transparent Diffusion-Based Planner for Autonomous Driving
Wankhade, Vivek vasantrao	1259	Anthony Edward Gurrieri† (Engineering) Spencer Andrew Moore† (Engineering) Rohan R Iyer† (Engineering) Geetika Chitturi† (Engineering|JMHC)	Modeling and Optical Characterization of Integrated Silicon Photonic Ring Resonators
Ward, Matthew Peter	1333	Varun M Senthil† (Engineering)	Development of Ear Force & Orientation Sensing Apparatus for Vibrotactile taVNS Feedback
Ward, Matthew Peter	1450	Patricia Hung† (Engineering)	Ear based optical heart rate sensing to enable closed-loop control of transcutaneous auricular vagus nerve stimulation
Ware, Jason A	1109	Matthew S Pung† (Engineering|JMHC) Gavin J Jensen† (Science) Connor James Federoff† (Science|JMHC)	Digital Mapping Project
Warsinger, David E M	1041	Lily Dawn Farmer† (Engineering)	Photocatalytic Self-Pumping Membranes
Warsinger, David E M	1099	Arnab Paul† (Engineering)	Sustainable Biomass Derived Mycelium Membranes for Thermal Desalination
Warsinger, David E M	1262	Mackenzie Hathaway† (Engineering|JMHC)	Efficacy of Pulse Flow Reverse Osmosis (PFRO) System
Warsinger, David E M	1329	Katherine Grace Rumsey† (Engineering) Nikhil Rakesh Patel† (Engineering) Hannah Elizabeth Kobza† (Engineering) Kyle Burdick Frank† (Engineering) William Elliott Warden‡ (Engineering) Samarth Rastogi‡ (Engineering|JMHC) Shidan Wan‡ (Engineering)	ThermOcean: Marine Powered Desalination Using Membrane Distillation
Warsinger, David E M	1404	Alex Jameson Appiah† (Engineering) Owen Charles Hastings† (Engineering|JMHC) Rohan Ashish Shrowty* (Engineering)	Mixer and Separator Optimization for Ionocaloric Refrigeration Cycles
Warsinger, David E M	1633	Jonathan D DeSimone† (Engineering) Andrew Thomas Casparius† (Engineering) Sujay Ketan Shah† (Engineering|JMHC) David Edward Jakel† (Engineering) Bhavjot Singh Grover‡ (Engineering) Manas Umangkumar Doshi‡ (Engineering) Rian L Healy‡ (Engineering|JMHC) Muhammad Rifqi Priatama Sambodo‡ (Engineering) Khaleel Ibrahim Hassan‡ (Engineering) Abdullah Alkazemi‡ (Engineering)	Modular Powered Louver System for Hydropower Retrofit at Non-Powered Dams

Name	Presentation	Students	Title
Warsinger, David E M	1724	Rohan Ashish Shrowty† (Engineering)	Characterization of the Separation via Reverse Osmosis in Ionocaloric Refrigeration Cycles
Warsinger, David E M	7033	Harishramani Venkatasubramanian† (Engineering) Ishan Gopu Nair† (PWL) Mudit Pandey‡ (Engineering) Ron Cheng Xuan Chay‡ (Engineering) Isaac Parks‡ (Engineering) Md Sadat Aarik‡ (Engineering) Govind Sriram Lanka‡ (Engineering)	Thermally Insulating Dehumidification Membranes
Warsinger, David E M	7072	Ishan Gopu Nair† (PWL) Mudit Pandey† (Engineering) Md Sadat Aarik† (Engineering) Isaac Parks‡ (Engineering) Govind Sriram Lanka‡ (Engineering) Ron Cheng Xuan Chay‡ (Engineering) Harishramani Venkatasubramanian‡ (Engineering)	Asymmetric Polyethersulfone Membranes with Tailored Pore Morphology for Efficient Passive Dehumidification
Warsinger, David E M	7079	Ron Cheng Xuan Chay† (Engineering) Govind Sriram Lanka† (Engineering) Ishan Gopu Nair‡ (PWL) Isaac Parks‡ (Engineering) Mudit Pandey‡ (Engineering) Md Sadat Aarik‡ (Engineering) Harishramani Venkatasubramanian‡ (Engineering)	Performance Modeling of a Membrane-Based Industrial Dryer
Watkins, Adam E	1045	Lorellei Estella ro Fletcher† (HHS|JMHC) Daniella Solares† (HHS|JMHC) Audrey May Krauhs† (Liberal Arts|Science|JMHC) Gracen Isabella Stewart† (Science|JMHC) Yajushi Ashutosh Gokhale‡ (Science|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Jessica Josephine Adams‡ (HHS|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	Analyzing Teamwork Training in Undergraduate Healthcare Education
Watkins, Adam E	7059	Yajushi Ashutosh Gokhale† (Science|JMHC) Jessica Josephine Adams† (HHS|JMHC) Alyssa Yates Collins‡ (Liberal Arts|Science|JMHC) Audrey May Krauhs‡ (Liberal Arts|Science|JMHC) Lorellei Estella ro Fletcher‡ (HHS|JMHC) Daniella Solares‡ (HHS|JMHC) Gracen Isabella Stewart‡ (Science|JMHC) Kriti Bagchi* (DSB|JMHC) Partth Suraj Kulkarni* (Science|JMHC)	An Analysis of Gamification in Teamwork Training for Undergraduate Education
Watson, Monique Nicole	1333	Varun M Senthil† (Engineering)	Development of Ear Force & Orientation Sensing Apparatus for Vibrotactile taVNS Feedback
Watson, Monique Nicole	1450	Patricia Hung† (Engineering)	Ear based optical heart rate sensing to enable closed-loop control of transcutaneous auricular vagus nerve stimulation
Weatherford, Jessica A	1013	Ainsley Kaye Blazek† (Education|Liberal Arts|JMHC)	"Reading Wars" and the Teaching of Literacy for 6-12 Students
Webb, Kevin J	1850	Katharina Anne Guth† (Engineering|JMHC)	Terrain-Dependent Signal Propagation Mapping at MDRS
Weibel, Justin A	1524	Jonathan Samuel Ryan† (Engineering)	(SCALE) Topology optimization of flow structures for cooling multi-chip modules
Weigand, Miranda Renee	1546	Erik Robert Sveen† (Science)	Online and On-Tissue Derivatization Enhances N-Glycan Signal for nano-DESI Mass Spectrometry Imaging

Name	Presentation	Students	Title
Welk, Allison	1443	Anna Lynn Heck† (Agriculture|JMHC)	Brushing Away Uncertainty: Patterns of Brush Use as a Novel Indicator for Early Disease Detection in Dairy Calves
Wells, Ellen M	1074	Matthew H Klein† (HHS) Jacob Alan Malone‡ (HHS|Liberal Arts|JMHC) Alexander Miroslav Todorov* (HHS)	VOC Exposure Profile for AVGAS Exposed Airport Workers
Wells, Ellen M	1314	Paige Bailey Pierson† (HHS)	Analysis of soil samples near Superfund sites before and after 2024 regulatory change for acceptable lead soil levels
Wells, Ellen M	1492	Bianca Isabel Miranda-Plaza† (HHS|JMHC)	Creation of Intensity Exposure Index for War-Related Exposures in Fallujah, Iraq
Wells, Ellen M	1941	Kentaro Yamauchi† (Agriculture)	Measuring Surface Soil PFAS Levels in Northwestern Indiana
Welp, Lisa	1061	Amber Grace Hitchins† (Science|JMHC)	From Cloud to Ground: Stable Isotopes and Meteorology Decode Storm Environments and Atmospheric Processes
Wentz, Megan Renee	1825	Jyestha Choudhary† (Engineering) Sabina Anna Mazur† (Agriculture|Engineering) Ella Grace Correia† (Engineering) Julia Zimmerman‡ (Engineering|JMHC) Siena Ming-en Wei‡ (Engineering) Alyssa Sarah Rizzardo‡ (Engineering) Patricia Ewa Leoniuk‡ (Engineering)	Acing ACL (Anterior Cruciate Ligament) Injuries: A Dual-Feedback Training Device for Women Athletes
West, Moon Rae	1051	Eva R Gauthier† (HHS) Phillip Nguyen‡ (HHS)	Effects of Mild Sleep Restriction on Deep Sleep Success in the Magnetic Resonance Environment
West, Moon Rae	1302	Phillip Nguyen† (HHS) Eva R Gauthier‡ (HHS)	Adherence to a Circadian Sleep Regularity Protocol and Achieving Deep Sleep in the Magnetic Resonance Environment
Whelton, Andrew J	3109	Kaitlyn Marie Wayne† (Engineering)	Evaluating Post-Fire Environmental Testing Guidance for Standing Homes: Gaps, Risks, and Recommendations
Wilcox, Michael D	7098	Nicholas Aaron Neuman† (Agriculture|Liberal Arts)	Analysis of READI Investment Decision Making
Wilcox, Michael D	7116	Olivia K Williams† (Agriculture|Liberal Arts)	Negotiating Renewable Energy: Economic Development Agreements in Indiana Counties
Wilhelm, Roland Conrad	1935	Vivirena Liu Wang† (Agriculture)	Evaluating AMF Bioinoculant Colonization Efficiency in Corn and Soy Systems
Wilhelm, Roland Conrad	3101	Samuel Thomas Burdick† (Agriculture|JMHC)	Phenolic Differences Between Maize Genotypes
Wilson, Damen Alec	1333	Varun M Senthil† (Engineering)	Development of Ear Force & Orientation Sensing Apparatus for Vibrotactile taVNS Feedback
Wilson, Damen Alec	1450	Patricia Hung† (Engineering)	Ear based optical heart rate sensing to enable closed-loop control of transcutaneous auricular vagus nerve stimulation
Wilson, Kylie Marie	1201	Avery Elizabeth Abfall† (HHS|JMHC)	Food Talk Between Parents and Children Within a Food-Play Task
Wilson, Lucas G	1108	Lydia Grace Pultorak† (Agriculture|JMHC)	Bird-window Collisions at Purdue University: A Survey to Inform Mitigation Efforts

Name	Presentation	Students	Title
Wilson, Mark D	1054	Margaret E Gretschmann† (HHS) Dushyant Vinay Singh† (Polytechnic) Atandrila Chowdhury* (Engineering)	Biometrics and the Flight and Simulator Environment: Understanding Fatigue and Stress in Student Pilots
Wilson, Nina Kay	1423	Lauren Marie Conto† (Agriculture)	Too Hot to Hatch: Physiological Impacts of Heat Stress on Male Reproductive Function in Commercial Ducks
Wilson, Nina Kay	1513	Collette Elizabeth Plue† (Agriculture)	What the peck? Dopaminergic manipulation and feather pecking in Pekin ducks
Wolanski, Adrian Hoffert	1016	Caitlyn Yuchong Cai† (DSB) Micah Danel Huckaby† (DSB) Eugene Chi† (DSB) Hayden Lo† (DSB)	Predicting County-Level Cancer Mortality: A Data-Driven Approach to Identifying High-Risk U.S. Counties
Wolanski, Adrian Hoffert	1125	Ethan William Stover† (DSB) Devansh Sachin Kejriwal† (DSB|JMHC) Yihan Li† (DSB) Paige Marcella Kennedy† (DSB) Fiza Naeem‡ (DSB)	Predicting 2022 Property Prices: A Comparative Data Driven Approach to Optimizing List Price Valuation
Wolanski, Adrian Hoffert	1148	Rochelle Elise Zhao† (DSB) Gavin Ross Lindsay† (DSB) Maoxiong Chen‡ (DSB) Eric David Schroeder‡ (DSB) Ayden Zhi Feng Wong‡ (DSB)	Data-Driven Pitch Optimization: Predicting In-Play Outcomes in Major League Baseball
Wolanski, Adrian Hoffert	1226	Maoxiong Chen† (DSB) Eric David Schroeder† (DSB) Ayden Zhi Feng Wong† (DSB) Gavin Ross Lindsay‡ (DSB) Rochelle Elise Zhao‡ (DSB)	Data-Driven Pitch Optimization: Predicting In-Play Outcomes in Major League Baseball
Wolanski, Adrian Hoffert	1255	Ethan Broderick Gartner† (DSB) Layla Marie Good† (DSB) Grace Elizabeth Cantrell† (DSB|JMHC) Taiwo F Oyedeji† (DSB) Lauren C Bailey‡ (DSB)	Decoding the Hit: Predictive Modeling of Spotify Popularity
Wolanski, Adrian Hoffert	1265	Arman Hyder† (DSB) Christian Domingo Lo† (DSB) Hussein Yusuf Sulub† (DSB) Ryan Andrew Leighton† (DSB) Sidharth Reddy Patlolla‡ (DSB)	Predicting Average IMDB Rating: An Analytical Dive into Movie Performance
Wolanski, Adrian Hoffert	1334	Kailen Solai Shah† (DSB) Richard Hastings Hambleton† (DSB) Varun Ram† (DSB) Obiora Onwudiwe† (DSB) Orion Matthew Barrett-Tzannes‡ (DSB)	Forecasting Future NBA Performance: Predicting Next-Season Win Shares Using Player-Level Advanced Metrics
Wolanski, Adrian Hoffert	1335	Prahlad Shelvapille† (DSB) Yash Vora† (DSB) Lingesh Vedanarayanan† (DSB|JMHC) Sophia Victoria Pimentel† (DSB) Alexis Nicole Coberg‡ (DSB)	Bracket Bound: Predicting NCAA Tournament Selection
Wolanski, Adrian Hoffert	1354	Yaajushi Valluri† (DSB) Sebastian Ignacio Aguilera† (DSB) Samantha Brooke Paguia† (DSB) Sanjana Chinthalap Mohan† (DSB) Isabella Chiara Lagioia‡ (DSB)	Decoding Diabetes: Predicting 10-Year Diabetes Risk with Non-Diagnostic Risk Factors Through Predictive Modeling
Wolanski, Adrian Hoffert	1416	Aashna Chandnani† (DSB) Dillon Seamus Blair† (DSB) Hari Ram Narayanan† (DSB) Alexander Michael Denysenko† (DSB|JMHC) Aksheet Sameer Paralkar‡ (DSB)	Predicting Amazon Product Prices: A Comparative Data-Driven Approach to Understanding Category, Regional, and Discount Effects

Name	Presentation	Students	Title
Wolanski, Adrian Hoffert	1422	Alexander Jonathan Collins† (DSB) Sriprada Pinnamaraju† (DSB) Swati Raj Rajasekaran† (DSB) Tanmayi Sharat† (DSB) Brendan Ryan Gleim‡ (DSB|JMHC)	Worth the Price? Modeling Skincare Costs Using Size, Ingredients, and Brand Effects
Wolanski, Adrian Hoffert	1442	Yash Handa† (DSB|Science) Charles Andrew Dempewolf† (DSB) William Henry Jack† (DSB) Grace Antoinette Anglim† (DSB) Benjamin Robert Wemple‡ (DSB) Grant Kim Weingaertner‡ (DSB)	Predicting Song Popularity on Spotify Using Audio Features
Wolanski, Adrian Hoffert	1444	Omar Karim Helmy† (DSB) Harrison Han Wang† (DSB) Kevin Michael Leatherwood† (DSB) Chaojie Ji† (DSB) Nicolas Zegarra Mann‡ (DSB)	Predicting Housing Prices: A Data Driven Approach to Understanding Housing Features
Wolanski, Adrian Hoffert	1451	Evan Mcpherson Hunt† (DSB) Carter Gregory Moeller† (DSB) Pranay Kumaresan† (DSB) Qianyue Wang† (DSB) Hussain Sadiq Alsinan‡ (DSB)	Predicting the 2026 FIFA World Cup Champion: A Data?Driven Approach to Tournament Outcome Forecasting
Wolanski, Adrian Hoffert	1481	Kevin Liu† (DSB) Cole Ryan Scheidler† (DSB) Matthew Joseph Kevin Kosnik† (DSB) Natalia Isabel Saavedra Lau† (DSB) Noura Coleman‡ (DSB)	Predictive Analytics for Carbon-Reduction Subsidy Optimization
Wolanski, Adrian Hoffert	1526	Madeeha Sadiq† (DSB) Skylar Marie Eberle† (DSB) Abigail Margaret Nieukirk† (DSB|JMHC) Ashley Zachor† (DSB) William Anthony White‡ (DSB|Engineering)	Predicting Credit Default Risk
Wolanski, Adrian Hoffert	1540	Ria Trikha Singh† (DSB) Morgan Baotran Tran† (DSB) Sreeya Thirunagari† (DSB|JMHC) Abigail Grace Anthony† (DSB) Jenna Grace Hash‡ (DSB)	Predicting Employee Turnover: A Survival and Machine Learning Approach to Workforce Retention
Wolanski, Adrian Hoffert	1542	Misty May Snyder† (DSB) Sofia Isabel Reutebuch† (DSB) Gabrielle Elise Waterman† (DSB|Liberal Arts|JMHC) Sydney Ekuan† (DSB) Pallav Chowdhury‡ (DSB)	Predicting Supplier Disruption Risk Using Macroeconomic & Trade Indicators
Wolanski, Adrian Hoffert	1720	Sydney Grace Scully† (DSB) Stephanie Elizabeth Camacho Calderon† (DSB) Rachita Tripathy† (DSB) Duy Cong Kha Nguyen† (DSB) Maanav Narasimha Kyabarsi‡ (DSB)	Predicting Academic Underperformance: A Classification Approach to Early Underperformance Identification
Wolanski, Adrian Hoffert	1727	Isabelle Marie Smith† (DSB) Marshall Alex Prince† (DSB) Aryan Pratik Kodial† (DSB) Ryan William Gilbert† (DSB) Felipe Castro‡ (DSB)	Scrolling and Sleep: Can Daily Instagram Activity Predict Nightly Sleep Duration?
Wolanski, Adrian Hoffert	1887	Nayan Suresh Nair† (DSB) Colby Matthew Stapleton† (DSB) Adam James Smith† (DSB) Joshua Petzer† (DSB|JMHC) Andrew Christopher Happ‡ (DSB)	Forecasting Weekly Retail Sales: A Time-Series Approach to Optimizing Inventory Across 45 Walmart Stores
Wolf, Patricia Marie	1058	Jordan Elijah Hargraves† (HHS) Alyssa S Brennan† (HHS)	Workload, Time Use, & Meal Patterns in College-Aged Adults: A pilot study at Purdue University
Woods, Brady Michael	1929	Theoni Christina Vlachos† (Science|JMHC)	C-Abl inhibition To Treat PD

Name	Presentation	Students	Title
Woodward, Beth	7008	Amanda Jean Laughery† (Liberal Arts)	Iconographic Hierarchy and Devotional Touch in Medieval Psalters
Wu, Wenzhuo	1104	Kayla Renae Phillips† (Engineering|JMHC)	Embedded Iontophoretic Biosensing Hardware and Software Design for Metabolic Wearable Sensors
Wu, Wenzhuo	1228	Khushi Choksi† (Engineering)	AI-empowered Laser-Induced Graphene-based Microfluidic Sensor for Continuous Wireless Na/K Monitoring
Wu, Wenzhuo	1245	Zixuan Fei† (Engineering|JMHC) Surya Pratheek Turaga† (Engineering|JMHC) Hening Xu† (Engineering)	Wearable Ultrasound System
Wu, Wenzhuo	1739	Pranavi Vedula† (Engineering)	Wearable Textile Triboelectric Glove for Grasp Force and Pressure Sensing
Wu, Wenzhuo	1844	Shashwat Goel† (Science)	Facile Interfacial Engineering of Laser-Induced Graphene for Durable and Stretchable Cardiovascular Monitoring Devices
Wu, Wenzhuo	1857	Mrigas Ajay Iyer† (Science)	AWARE: Affordable wearable self-powered smart pressure sensors for workplace injury prevention
Wu, Wenzhuo	1894	Elena Paias Ferreira† (Engineering)	Integration of Laser-Induced Graphene into Soft Wearables via Bioinspired Interfacial and Geometry-Driven Engineering for Skin-Interfaced Sensors
Wu, Wenzhuo	7013	Madelyn Erin Wurzel† (Engineering)	Input Stimuli-Driven Cognitive Workload Modeling Using Multimodal Wearable Physiological Nanosensors
Wu, Wenzhuo	7069	Margaret H Prokopy† (Engineering|JMHC)	From Multilayer Stacks to One Film: A Monolithic Skin-Like Platform for Adhesive, Microfluidic, and Electrochemical Sweat Sensing
Wu, Yu-Hsuan	1665	Krish Jain† (Science) Mrigna Goel† (Science)	GenAI-Driven Semantic Verification for Neural Math Theorem Proving
Wu, Zhaoqing	1743	Edward Jack Wang† (Science)	Cross-platform Analysis of Claim, Counterclaim, and Grounding in Climate Discourse
Xiao, Shulan	1121	Leonor Antunes Sinogas† (Science)	Resolution Restoration of Two-Photon Dendritic Spine Images Using Deep Learning Based Algorithms
Xie, Lijia	1758	Colton Pierce Lennen† (Engineering)	SCALE: Mechanical Performance of High Temperature Solders
Xie, Lijia	1761	Rachel Christine Quisil Ordiales† (Engineering)	SCALE Characterizing High-Temperature Pb-free Solder Joints
Xie, Zhiyan	1639	Junchi Feng† (Science)	Optically Detected Magnetic Resonance (ODMR) Scan on 2D materials
Xu, Dikai	1823	Wanrong Maddison Cheng† (Engineering) Chisato Sakakibara† (Polytechnic) Pranavi Chaganti† (Science) Pranav Ramnath† (Engineering) Adrienne J Gooch‡ (Polytechnic) Manas Anantha Maligi‡ (Engineering) Nathan R Leong* (Engineering)	Designing a Safe Student Pick-Up App: A User-Centered Approach to Improving Dismissal Logistics
Xu, Xianfan	1100	Nikolai Perebeinos† (Engineering)	Femtosecond Laser Annealing of Hafnium Zirconium Oxide ($Hf_{.5}Zr_{.5}O_{2}$)

Name	Presentation	Students	Title
Yamate, Kristen Haruka	1571	Yuchen Zhang† (DSB|HHS|JMHC) Ellie Grace Ketcham* (Agriculture|JMHC)	Mechanical Tensional Force Alters Ductal Morphogenesis and Tissue Architecture in the Peripubertal Mouse Mammary Gland
Yang, Hyeondong	1816	Oliver Stevenson Bohon† (Science|JMHC) Tanvi Reddy Jitta† (Engineering) Chaarulatha Rajesh† (Engineering)	Upper Respiratory Tract Model for Drug Deposition Studies
Yang, Yang	1062	Ella Lyn Hubbard† (HHS|JMHC)	Human induced pluripotent stem cell models to recapitulate DNMT1-Y511C variant in 2D neurons and chimeric mouse models
Yang, Yang	1068	Saajid Khatri† (Science|JMHC)	Structural and Circuit-Level Consequences of SCN2A Loss-of-Function Mutations in Human Cortical and Striatal Organoid Models
Yang, Yang	1126	Jonathan Sam Suresh† (Science|JMHC)	The Role of NaV1.2 in VIP and SST Interneurons in Cortex Function and Behavior
Yarbrough, Todd Richard	3213	Aarush Dhaval Shah† (Engineering)	The Physics in Economics: Free-Fall Dynamics Mapped to Ceteris Paribus Markets
Ye, Zihao	1081	Dongyun Lim† (Engineering)	Low-Power AI-Generated Image Detection and Action Recognition for Mobile Edge Devices
Yeh, Raymond A	1078	Sanshray Kumar† (Science) Aaryan Bondre† (Science) Max Jingnan Xu† (Science)	A Study of Vision-Language Models for Grocery Item Detection
Yim, Seongjoong	9001	Scott Andrew Anderson† (Engineering) Karan Soni† (Engineering) Aditya Gupta† (Engineering) Cody Zhu† (Engineering)	SoC for BLDC Motor
Yoo, Tongkewn	1835	Andrew Patrick Folkers† (HHS) Anvi Bhatnagar† (HHS) Arni Prakash Bhatnagar‡ (HHS)	Modulation of Cigarette Smoke–Induced ROS Generation and Cytotoxicity by Aged Parsnip Extract and Falcarindiol in BEAS-2B Cells
Youngblood, Jeffrey P	1902	Ananya Prasad† (Engineering|JMHC)	Electrical Transport Properties of Additively Manufactured Carbon Fiber-Silicon Carbide (CF/SiC) for Ultra-High Temperature Aerospace Applications
Yu, Denny	1095	Eduardo Paes Leme Jaqueira† (Engineering)	Brains in Sync: Measuring Team Performance through Neurophysiological Coupling
Yu, Denny	1631	Lakshmi S Darapureddy† (Engineering)	Decoding Hand Activity Level–Threshold Limit Value Using Integrated IMU–Tactile Sensing
Yu, Denny	1737	Abhay Benjamin Tharakan† (Engineering)	Vocal Loudness and Stability as Behavioral Indicators of Surgeons' Non-Technical Skills
Yu, Denny	7070	Sofiia Shyshkovtsova† (Engineering)	An Utterance-by-Utterance Metric for Measuring Team Progress from Spoken Interaction
Yu, Denny	9061	Ruizhe Xie† (Engineering)	A Methodological Approach to Assessing Closed-Loop Communication in the Operating Room
Yu, William Lawrence	1140	Braden Morgan Whitney† (Engineering|JMHC)	Optimizing Convolutional Neural Networks for RFI Classification in Highway GNSS Data

Name	Presentation	Students	Title
Yun, Yeon Ji	1225	Ojas Chaturvedi† (Science|JMHC) Ritwik Suresh Jayaraman† (Science) Sean Xiaoyang Su† (Engineering|JMHC) Shreeya Vishram Sarurkar† (Science) Kayshav Bhardwaj‡ (Science) Emily Ran Li‡ (Science|JMHC) Elliott Jameson Soderberg‡ (DSB) Hongcheng Li‡ (Engineering)	Addressing Polyphonic Accuracy: Performance Optimizations in Automatic Music Transcription
Yun, Yeon Ji	1243	Peter Edvardsson† (Science) Amy Michelle Basca† (Engineering) Ryce Pi† (Science) Keshav Sriram Ramabhadran† (Engineering) Ropan Datta* (Science)	Adaptive, Interpretable Feedback for Music Practice: A Human-Computer Interaction Study
Yun, Yeon Ji	1270	Arnav Ashish Kalekar† (Engineering) Vishaal Iyer† (Science) Om Vishvanath Muthyala† (Science) Sooji Lee† (Science)	A Vision-based Machine Learning Approach to Automatic Music Transcription for Guitar
Yun, Yeon Ji	7086	Rohan Rahul Pradhan† (Engineering) Arvind Shyam† (Engineering) Sruthika Shivakumar† (Engineering|JMHC) Shashwat Goel† (Science) Zixian Liu† (Science)	Robot Cello
Yun, Yeon Ji	7132	Arvind Shyam† (Engineering) Shashwat Goel† (Science) Zixian Liu† (Science) Rohan Rahul Pradhan† (Engineering) Sruthika Shivakumar† (Engineering|JMHC) Pranesh S Velmurugan† (Science) Boyang Zhang† (Science) Jiashu Liu† (Engineering)	Robot Cello
Yun, Yeon Ji	7153	Daniel Chindris† (Science) Wangyue Xu† (Polytechnic) Ziang Wang‡ (Science) Sivamurugan Velmurugan‡ (Science) Shrinand Perumal‡ (Science) Ryce Pi‡ (Science) Preston Tang Mo‡ (Engineering) Michael X Zhang‡ (Engineering) Luke Jaehyeon Choi‡ (Science) Junyong Lee‡ (Science) Jackson Patrick Shields‡ (Science) Ekaterina Tszyao‡ (Science)	Leveraging Computer Vision and Postural Evaluation Models for Cellists in Real-time.
Zakharov, Wei	1266	Gaetano Antonio Iannotta† (Engineering) Samarth Bhatt† (Science) Tyler Daniel Grabowski† (Engineering) Mehak Kaur Virdy† (Science)	AI For Education
Zakharov, Wei	1747	Zhenghao Xu† (Engineering) Boyang Wu† (Engineering) Aishani Sakalabhaktula† (Engineering) Anya Chauhan† (Science) Gaetano Antonio Iannotta* (Engineering)	End-to-End Ontology-Driven Knowledge Graph Extraction and Question Answering Framework for Educational AI Chatbots
Zeng, Yihang	1123	Vincent Cody Stavig† (Science) Aditya Srinivasan† (Science)	Exciton Formation in Two-Dimensional Moiré Devices
Zhang, GuangJun	1350	Maitreyee Panini Telang† (Science)	Analysis of hox13 Expression in pax1a Mutant Zebrafish During Early Fin Development
Zhang, GuangJun	1511	Aditya Pillai† (Science|JMHC)	Loss of SMARCAD1 sensitises cells to chemotherapy drugs
Zhang, Jiansong	1734	Kevin Su† (Engineering) Joseph Wang† (Engineering) Adam Eunwoo Song* (Science) Cade Michael Stogsdill* (Engineering)	Intelligent Construction Specification Checker: Automating Compliance via LLMs and Digital Twins

Name	Presentation	Students	Title
Zhang, Jiansong	1945	Yanming Zhou† (Science)	Heuristic-Based Accessible Path Generation for Automated ADA Compliance Checking in Architectural Floorplans
Zhang, Jiansong	7035	Berra Ulku Kalci† (Engineering) Taran Sid Koduri† (Engineering)	Simulation-Driven Redesign of a Robotic End Effector for Automated Steel Beam Construction
Zhang, Jiansong	9056	Adam Eunwoo Song† (Science) Cade Michael Stogsdill† (Engineering) Joseph Wang* (Engineering) Kevin Su* (Engineering)	Automating steel structure construction through computer vision compliance and virtual simulation
Zhang, Jiaru	1925	Andrew Joseph Thompson† (Science) Armaan Arshad Sayyad† (Science) Joseph Zou† (Science) Pranay Goel† (Science) Sumant Anantha† (Science) Zachary Thomas Nena† (Science) Pranav Sanghi† (Science) Rahal Themiya Ranasinghe Ranasinghe Mudiyanselage† (Science)	Opening the Black Box: A Transparent Diffusion-Based Planner for Autonomous Driving
Zhang, Miaomiao	1142	Natalie Rae Williams† (HHS|Liberal Arts)	The Relationship Between Children's Participation in Household Chores and Fairness Development
Zhang, Shuaiqing	1123	Vincent Cody Stavig† (Science) Aditya Srinivasan† (Science)	Exciton Formation in Two-Dimensional Moiré Devices
Zhang, Siqi	1276	Sanah Kochhar† (HHS|JMHC) Yue Ying† (HHS)	Examining Gender Differences in Early Math: Parental Evaluations of Boys' and Girls
Zhang, Tommy	1430	William Joseph Eberhart† (Agriculture)	Evaluating Signal-to-Noise Enhancement of Biomolecules in Electrospray Ionization Using Nanobubbles
Zhang, Tongxiao	7157	Akshita Choraria† (DSB)	AI Disclosure in Advertising: How Transparency About Generative AI Affects Consumer Trust and Purchase Intent
Zhang, Xiaochen	1817	Nehemiah X Boyd† (Science|JMHC)	Dissecting Polycomb Repressive Complex Interplay in Modulating Epigenetic Activity in Neuroblastoma
Zhang, Xinyu	3102	Joseph D Grabczynski† (Engineering|JMHC)	Relationship Recruiting for Engineering Bridge and Success Programs
Zhang, Yi	1213	Jadyn Marie Befort† (HHS|JMHC)	The Effect of Moderate Continuous Exercise on Plasma Free Fatty Acid Carrier Proteins in Mice.
Zhang, Yi	1239	Ariana Zoe Diaz Portalatin† (HHS)	Effect of Diet-Induced Obesity on the Hepatic Fatty Acid Carrier Proteome in Mice
Zhang, Yijie	3201	Chen Han Chan† (Engineering)	Filterless Air Purification via Acoustic Radiation Force for Coarse Particle Removal in Tractor Engine Systems
Zhang, Yongle	7112	Harry Zheng† (Science|JMHC) John Kim‡ (Science|JMHC) Yunyi Gao‡ (Science)	Task Scheduling For Congestion Control in Distributed Systems
Zhang, Zheyuan	7019	Medha Belwadi† (Science)	Spatiotemporal Explainability of AI Models for Critical View of Safety Assessment in Laparoscopic Cholecystectomy
Zhao, Enze	1657	Bridget Rosemary Heffernan† (Engineering) Dhruti Syamala Ivaturi† (Engineering) Joyce Chen† (Engineering)	Effect of Herringbone Depth on Mixing Efficacy in Microfluidic Chips

Name	Presentation	Students	Title
Zheng, Bowen	1631	Lakshmi S Darapureddy† (Engineering)	Decoding Hand Activity Level–Threshold Limit Value Using Integrated IMU–Tactile Sensing
Zheng, Haozhe	1519	Alyssa Sarah Rizzardo† (Engineering)	Development of Electrochemical PFAS Sensors
Zheng, Haozhe	1708	Gia Phong Phuong† (Engineering)	Development of Molecularly Imprinted Electrochemical Sensors for PFAS Detection in Environmental Samples
Zhou, Jincheng	1482	Kipling Liu† (Science)	LLMs for Causal Discovery
Zhou, Jincheng	1924	Atharva Vaibhav Thakur† (Science)	DAGPA++: Scalable and Stable Differentiable Constraint-Based Causal Discovery
Zhou, Shan	7066	Khoi Xuan Mai† (Science)	Private Electric Vehicle Charger Adoption and Its Effects on Local Mobility and Fuel Use
Zhou, Xinyi	1009	Adrienne M Baumann† (HHS)	Associations Between Diet Quality and Demographics, Metabolic Biomarkers, and Behavioral Outcomes: Findings from the Personalized Nutrition, Education, Assessment, “Real” Food, and Lifestyle Suppo
Zhou, Zhi	1519	Alyssa Sarah Rizzardo† (Engineering)	Development of Electrochemical PFAS Sensors
Zhou, Zhi	1708	Gia Phong Phuong† (Engineering)	Development of Molecularly Imprinted Electrochemical Sensors for PFAS Detection in Environmental Samples
Zhu, Fengqing	1341	Evan Smida† (United States Military Academy West Point)	Predicting Postprandial Glycemic Response Curve Properties Using Multivariate Methods
Zhu, Jiafei	7026	Anna Catherine Dressman† (Science)	Modeling Metabolic Dysfunction-Associated Steatotic Liver Disease Using Liver Organoids
Zhuo, Yupeng	1514	Rishi Vineeth Poduval† (Science) Navya Singh† (Science) Tuan Minh Pham† (Science)	Bridging the Sim-to-Real Gap in Medical Simulation via Diffusion-Based Generation of Clinically Realistic Patient Videos
Ziaie, Babak	1725	Simarpreet Singh† (Engineering) Aaruni Singh† (Engineering)	A Non-Invasive Acoustic Sensing System for Oral Disorder Screening
Ziliak, Meredith Christine	1008	Devyn Simone Barton† (Science)	Optimizing Confocal Imaging Parameters for Neural and Cochlear Tissues Involved in a Noise-Exposure Study
Zimmer, Noah William	3014	Madeline G Taylor† (Science)	Rapid Infrared Variability in Supernova Remnant Cassiopeia A Revealed by JWST
Ziolkowski, Rebecca A	1810	Deeksha Gayathri Badugu† (Engineering) Katherine Schallwig† (HHS|JMHC)	Cervical Cancer Education and Screening Intervention for People Experiencing Homelessness: Impact on Knowledge, Attitudes, and Screening Preferences
Ziviani, Davide	7149	Arman Islam† (Engineering)	Embedded Sensing in Functional Material utilizing Additive Manufacturing
Zollner, Patrick A	3000	Rebeca Joyce Appelmann† (Agriculture) Kylee Ann Thorson* (Agriculture) George D Emerson* (Agriculture|JMHC) Laila Alexandra Klang* (Agriculture)	Evaluating the efficacy of chicken manure as a wildlife lure

Name	Presentation	Students	Title
Zoltowski, Carla B	1630	Aahana Dahiya† (Engineering) Simarleen Kaur† (Engineering) Khue Ngoc Minh Pham† (Science) Donald Alexander Weintz* (Engineering) Divyansh Pramanick* (Science) Nived Ambadipudi* (Engineering)	Spatial Inventory: Semantic Scene Change and Asset Tracking with Apple Vision Pro
Zoltowski, Carla B	1836	Gideon H Fulton† (Engineering) Rochelle R Xue† (Engineering) Alexandre Wade Rosental† (Engineering) Chieh-Chi Hu* (Polytechnic)	Satellite Image Change Detection
Zoltowski, Carla B	1919	Arnav Chandra Singh† (Science) Kriti Kishan Nandakumar† (Engineering) Benjamin Tyler Nguyen† (Engineering) Edward Ayomide Ojuolape† (Engineering)	BoilerDIET: A Dietary Tracking Application
Zoltowski, Carla B	7081	Donald Alexander Weintz† (Engineering) Divyansh Pramanick† (Science) Nived Ambadipudi† (Engineering) Aahana Dahiya‡ (Engineering) Khue Ngoc Minh Pham‡ (Science) Simarleen Kaur‡ (Engineering)	Semantic Room Mapping with Apple Vision Pro
Zonsius, Michael Francis	9024	Yen Hua Huang† (Polytechnic) Reagan Michele Carmela Bradley† (Liberal Arts|Polytechnic)	Examination of Operational and Infrastructural Drivers affecting ORD Taxi times and departures
Zou, Ben	1484	Yinuo Liu† (DSB|Science)	The Roots of Gender Gap in Major Choices: Ability or Preference? Evidence from the 2003 Chinese College Entrance Exam
Zuel, Brian C	7156	Milica Slavkovic† (Science|JMHC)	Agentic AI for Adaptive Cyber Defense
Zyaykina, Nadezhda N	1084	Ryan James Mahoney† (Engineering)	Evaluation of impacts of unsustainable e-waste disposal practices
Zyaykina, Nadezhda N	1135	Pedro Vasconcellos Cazzoli† (Engineering)	Pretreatment of electronic waste for recovery of critical materials
Zyaykina, Nadezhda N	1296	Chantelle April Miller† (Engineering|JMHC)	Assessment of Waste Cooking Oil (WCO) degradation under prolonged storage conditions
Zyaykina, Nadezhda N	1347	Ariel Suarez† (Agriculture)	Chemical Methods for Zinc and Cobalt Separation from Waste Printed Circuit Boards
Zyaykina, Nadezhda N	1861	Rajan Joshi† (Engineering)	Pathways to recover nickel and other valuable materials from e-waste
Zyoud, Bashar Ahmad	1938	Jack Thomas Willard† (Engineering|JMHC)	Design of Electrically Small Dielectric Resonator Antennas