

Undergraduate Summer 2016 Transportation Internships



About NEXTRANS

The NEXTRANS Center is one of ten Regional University Transportation Centers selected competitively by the U.S. Department of Transportation to serve as leaders in meeting the nation's need for safe, efficient, and environmentally sound transportation systems. Headquartered at Purdue University in West Lafayette, Indiana, the Center represents Region V, which includes the states of Indiana, Illinois, Ohio, Michigan, Wisconsin and Minnesota. NEXTRANS was established in 2007 to implement a multidisciplinary program of transportation research, education, and technology transfer. The NEXTRANS Center is led by Purdue University and administered by Purdue University's Discovery Park.

Research Opportunity

A summer research internship with the NEXTRANS Center is the perfect opportunity to become immersed in the field of transportation engineering. We are looking for several undergraduate interns to participate in cutting-edge research related to an active Driving Simulator Laboratory project. Main tasks are related to developing the interactive driving simulator experiment, designing and analyzing driving behavior surveys, developing statistical models, and writing research reports. The research project will eventually include human subjects being monitored by an electroencephalogram (EEG) while using a driving simulator. The work setting is an off-campus professional research environment.

Schedule

The internship is a 10-week program beginning **Tuesday, May 31, 2016 and ending Friday, August 5, 2016. Selected students will complete their internship at the NEXTRANS Center at Purdue University.** Students will work 40 hours per week on NEXTRANS-related research and activities. In addition, students will meet with faculty members and research assistants as required, and complete regular progress reports.

Financial Support

Interns will receive a **stipend of \$4,000 over the 10-week period.**

Eligibility Requirements

Applicants should have at least two years of engineering coursework completed at an accredited college or university in the U.S. and a GPA of 3.0 or higher. Students should have a focus or demonstrated interest in transportation. Candidates should mention experience with data analysis, psychology/human factors analysis, econometrics, statistics and survey design, as these skills are very applicable to the project work.

Application Procedure

Applications will be reviewed by selection committee beginning March 2016.

- Application form, available at: <http://www.purdue.edu/discoverypark/nextrans/education/undergraduate.php>
- Resume
- One-page essay (300-400 words) detailing interests and career goals
- Transcripts from each institution attended
- Names of two faculty members who have agreed to act as references

Mail or Email Applications To:

NEXTRANS Undergraduate Internship in Transportation
3000 Kent Avenue
West Lafayette, IN 47906
Ned Howell
(765) 496-9724
nextrans@purdue.edu
www.purdue.edu/dp/nextrans

Questions?

Contact Ned Howell at the NEXTRANS Center 765-496-9724 or nextrans@purdue.edu