Research Experiences for Undergraduates at LTU

REU Developing Self-drive Algorithms for Electric Vehicles

This REU site, in collaboration with Michigan State University, provides hands-on active learning and research opportunities for undergraduate students to develop, test, analyze, and evaluate self-drive algorithms on street legal vehicles.

When: May 23 through July 15 (8 weeks)

Who: College (including Community College) Freshman, Sophomore, and Junior students

Where: Lawrence Technological University (LTU), Southfield, Michigan (www.ltu.edu)

Eligibility: All applicants must:

- Be U.S. citizens or hold permanent residency status
- Have a cumulative GPA >= 3.0 (out of 4.0)
- Be a college freshman, sophomore, or junior as of the Fall 2022 semester
- Major or plan to major in STEM (Science, Technology, Engineering, Mathematics)
- Have a valid driver's license
- Have completed Calculus I & II
- Have taken at least one computer science course with Python, Java, JavaScript, C, or C++. Linux and Robot Operating System experience is preferred.
- Not be enrolled in classes during Summer 2022
- Be available to work full-time on the campus of LTU from May 23-July 15, 2022

How to Apply: Applications with your personal statement, resumé, transcripts, and two letters of recommendation through NSF ETAP at: https://www.nsfetap.org/award/197/opportunity/195

Accepted students will be notified on a rolling basis until all positions filled or by April 15, 2022. Late applications may be considered if funding remains available. If you have any questions about the application process or general inquiries, please contact: Prof. CJ Chung, cchung@LTU.edu, (248) 204-3504

Accepted participants receive a total of $4,800 (paid biweekly) and receive food subsistence and free housing in LTU's dorms. Local students may choose to commute; students outside Metro Detroit will be eligible for travel reimbursement up to $500.