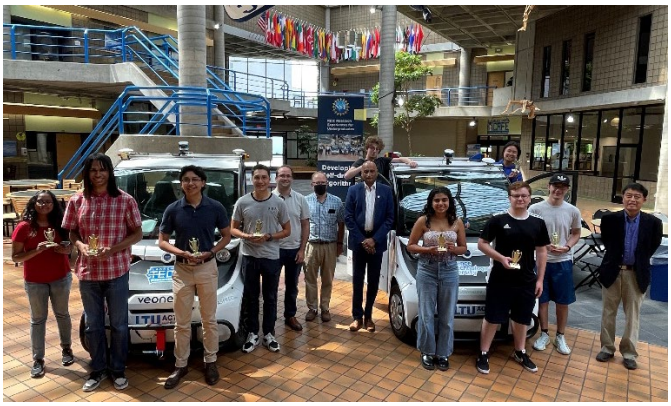
Research Experiences for Undergraduates at LTU

REU Developing Self-Drive & V2X Algorithms for Electric Vehicles

This NSF REU site, in collaboration with Michigan State University (MSU), provides hands-on active learning and research opportunities for undergraduate students to develop, test, analyze, and evaluate self-drive & V2X algorithms on street legal vehicles.



Research participants and mentors, summer 2022

When: May 24 through July 18, 2023 (8 weeks)

Who: College (including Community College) Freshman, Sophomore, and Junior students as of the Fall 2023 semester

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 >= 3.2 (out of 4.0)
- 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 two college level computer science courses with Python, Java, C, or C++
- Experience with Linux and Robot Operating System (ROS) is preferred
- Not be enrolled in classes during Summer 2023
- Be available to work full-time (40 hours per week) as research interns on the campus of LTU
- Agree to participate in occasional, brief follow-on surveys after the program completion

Stipends: Accepted participants receive a total of $6,080 (paid biweekly) 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.

How to Apply: Submit your personal statement, resumé, transcripts, and two letters of recommendation through NSF ETAP site at: https://www.nsfetap.org/award/197/opportunity/673

Accepted students will be notified on a rolling basis until all positions filled or by April 18, 2023. 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, NSF REU PI, cchung@LTU.edu, (248) 204-3504