



Michigan State University

Research Experience for Undergraduates (REU)

Site: Sociomobility

Autonomous vehicles (AVs) offer the potential for significant improvements in the mobility, safety, accessibility, and sustainability of transportation systems. As rapid advances occur in the automotive industry, there are a myriad of associated social consequences that will result from large-scale deployment. However, these consequences are not well understood, and there is an imminent need to train students in *sociomobility* - an area of research at the intersection of engineering and the social sciences.

Michigan State University invites undergraduate students to apply to a Research Experiences for Undergraduates (REU) site in sociomobility, which will train future thought leaders for careers that are focused on the development of innovative, multidisciplinary solutions that jointly address both the technical and societal aspects of AVs. This program will allow students to:

- (1) examine social, political, legal, and economic concerns that may affect the widespread adoption of AVs;
- (2) assess issues related to social equity and the accessibility of AVs to groups with limited mobility alternatives, including adolescent, elderly, low-income, and disabled individuals; and
- (3) study the implications of AVs on public health, urban planning, workforce development, and the environment.

This program is open to students who are U.S. citizens or permanent residents and who will be in undergraduate programs as of the Fall 2023 semester. Interested students may apply at:

<https://forms.gle/Vm8iQTgdSp35AUiX6>

Additional information about the REU can be found at:

<https://www.egr.msu.edu/sociomobility/>