



The UA EcoCAR Team is now seeking a

CONNECTED AND AUTOMATED VEHICLE LEAD

Mission Statement:

The CAV Lead will guide the development and integration of advanced driver-assistance and automated vehicle features, with a strong focus on AI, machine learning, perception systems, V2X (vehicle-to-everything) communication, and connected automotive technologies.

High Level Responsibilities:

- Lead the design and implementation of CAV-related features for the competition vehicle.
- Develop, test, and validate algorithms for perception, planning, and decision-making.
- Explore and integrate V2X communication for enhanced safety and situational awareness.
- Collaborate with multidisciplinary subteams (integration, controls, and communications) to ensure CAV features align with overall vehicle architecture.
- Document progress, support competition deliverables, and present findings to industry sponsors and judges.
- Lead novel automotive research.

Qualifications:

- Must be a graduate student (Master's or Doctoral program) in Computer Science, Electrical/Computer Engineering, or a related field.
- Strong interest in AI, machine learning, and automotive technology.
- Strong problem-solving, communication, and leadership skills.
- Experience with one or more of the following is not required, but preferred:
 - Robotics and perception (e.g., computer vision, LiDAR, radar, sensor fusion)
 - V2X communication protocols (DSRC, C-V2X, 5G)
 - Embedded systems or automotive software development
 - Python, C++, MATLAB/Simulink

Start Date: Immediate

End Date: June 2026 or Later

This is a funded graduate position that requires travel.



To Apply:

1. Please fill out the application using [this link](#) or by scanning the QR code shown.
2. Interview with our Team – to be scheduled individually