

Melana Kaafarani

August 2025, $2500 Scholarship sponsored by MAGNA

Melana Kaafarani is an Electrical and Computer Engineering student at Wayne State University's Irvin D. Reid Honors College.

Melana is passionate about advanced automotive technologies and has worked on numerous projects that reflect her commitment to optimizing this field. She recently led a team of students in an in-depth analysis of the Battery Management System of the Tesla Model X SUV, performing modeling and simulation tests that deepened her understanding of Electric Vehicle (EV) architecture. Melana also developed a three-stage Audio Equalizer that allowed her to apply core engineering principles to a real-world application.

Outside of academics, Melana serves as a Teaching Assistant for two courses: Probability and Statistics for Engineers and Design in Engineering (AutoCAD). Her long-term goal is to contribute to EV development systems that improve energy efficiency, overall performance, and user experience. In her spare time, she enjoys reading, cooking, playing piano, and traveling the world.

Melana resides in Rochester, Michigan.