My name is Armand Ahadi-Sarkani and I am an incoming fourth-year undergraduate studying Computer Engineering. In addition to pursuing this major, I am also enrolled as a member of the Campuswide Honors Collegium, and as part of that recognition, I am encouraged to participate in an undergraduate research project. With deep motivation from my past three years of projects and curriculum at UC Irvine, I am thrilled to extend my work and conduct research into privacy-aware, personalized Advanced Driver Assistance Systems (ADAS) under the guidance of Professor Salma Elmalaki.

As someone who has grown up with a fervent admiration and curiosity about cars and computers, pursuing a research project that looks at strengthening the intersection between these two key elements of everyday life is a fitting cause. To ultimately optimize my ability to research topics like this, I have pursued a rigorous curriculum at UC Irvine, in addition to outside projects. Relevant courses that I have taken that will ultimately help improve my research capabilities include, but are not limited to: Algorithms and Data Structures (EECS 114), Advanced C Programming (EECS 22), Software Engineering in C (EECS 22L), Object-Oriented Programming (EECS 40), and Processor Hardware/Software Interfaces (EECS 113). My excellent performance in these courses has helped me build a foundation in key programming and software development concepts, as well as given me hands-on project experience that will be useful for working in a research environment. In addition to a strong curricular background, I have also participated in a paid internship over the recent summer at a control systems and automation company in Irvine (TechnipFMC) that has given me key hands-on experience with industrial hardware and the feel of working with a large software engineering team. It has also allowed me to understand the software product life-cycle, and the various stages through which software testing, debugging, and hardware interfacing are completed. In my free time, I also enjoy expanding my thirst for knowledge by undertaking small software projects and experimenting with open-source software development tools. I anticipate that adding research as another element to my experience in my field will allow me to be in a better position to be competitive for graduate school and ultimately software or hardware engineering occupations.

I feel that my excellent academic performance, combined with my strong pre-research background and genuine dedication to the topic in which I plan to research makes my application a strong candidate for funding to advance the reach of this project.