

During my junior year, I was a student in Dr. Kumaresan's Principles of Electrical Engineering elective, which soon became one of my favorite courses at the high school. The course is largely project-based and introduces students to basic electronics, electrical engineering, and programming principles, laying a foundation for future study in engineering, applied physics, and design. As a teaching assistant for the class, I have had the opportunity to pass on what I know to current students that are similarly interested in math, technology, and engineering. Becoming a teaching assistant has not only allowed me to deepen my own understanding of the course material but has provided me with the opportunity to help my peers learn by explaining concepts, answering questions, and troubleshooting projects. Having taken the course previously allowed me to better understand students' questions and confusion regarding specific topics and present them in a way that is easy for them to understand, as I have likely already worked through the same question or misunderstanding myself. Additionally, each student has a unique learning style and level of experience, and I have enjoyed adapting to work with each to the best of my ability. – Isabella Frank