

During the first semester of the 2021-2022 school year, I was one of two TAs for Dr. Kumaresan's Electrical Engineering class. I had taken the class during the year prior and thoroughly enjoyed the class, despite the hybrid learning which made the physical demonstrations slightly more challenging. The beginning of the semester was primarily theory and math which was related to circuitry, which required less involvement from myself and the other TA, Max, whereas the latter half were projects connected to the Arduino. We each had the opportunity to teach several classes throughout the semester, which allowed me to learn about the time spent in lesson planning, how to accommodate for different learning styles, and how to manage time effectively in a classroom setting. Once the projects began, Max and I were able to assist the students in the class with different aspects of the project; he tended to help with coding while I generally helped with the wiring. Additionally, with there being two TAs we were better able to help each person individually, especially in the final project where each student had the opportunity to construct their own project idea. It was easiest to help people individually as most people's solutions varied, which allowed me to be engaged in assisting while also learning alternative solutions. Throughout the curriculum, each project was built off of smaller subprojects, allowing students to construct their knowledge of different aspects of the code and how each part of a circuit is connected to a specific set of code. While Max and I helped when asked, the separation of steps helped increase the likelihood of students solving issues or debugging on their own, which led to them experiencing the same excitement over solving problems on their own, which is one of the reasons I had enjoyed this class.