

Hello, my name is Caden Davis, and I am a first-year student at UCLA majoring in Electrical Engineering. I am from Dana Point, California (near Laguna Beach), so I am excited to continue enjoying the beauty of Southern California while at college.

Originally, I intended to pursue biomedical engineering as my career path: being a part of my school's pre-med program and an active member of the robotics team, I believed that this major would be a perfect blend of my two interests. Throughout my four years on the robotics team, I became increasingly involved, becoming the lead of electronics and CNC machining. However, I never once touched programming. Therefore, over quarantine I spent my time learning Python and C++ my junior year and taking AP Computer Science my senior year. Using these skills, I worked as an intern for a medical device engineering startup the summers after my junior and senior year, giving me an opportunity to learn about embedded systems and other electrical engineering fields.

At UCLA, I have become involved in IEEE Micromouse and am an officer-in-training for ACM AI. I have really enjoyed the Micromouse project and learning more about embedded systems; it has solidified my PCB design skills and the fundamentals of control systems like PID. ACM AI surprised me with how interested I would become machine learning. Though I had worked minimally before with machine learning as I learned Python, I had never dived deeply into the topic. However, being a part of ACM AI and completing Google Kaggle's Data Science curriculum has been incredibly interesting to me. Therefore, I plan to use my electives to gain a more advanced understanding of the field, and I hope to pursue the new Data Science minor.

Honestly, I do not have a set plan for a career path now. The broad concentrations of embedded systems & robotics or data science & machine learning are impossible for me to choose between at this point, so I am excited to continue taking classes exploring both of these subjects. Outside of ECE, I am also excited to explore other interests such as economics and graphic design while at UCLA.