
UCLA FAST TRACK

My name's Seth Ferrell and I'm a class of '26 Computer Engineering Major at UCLA. I graduated from Woodbridge High School in Irvine, California.



Why did you choose UCLA ECE?

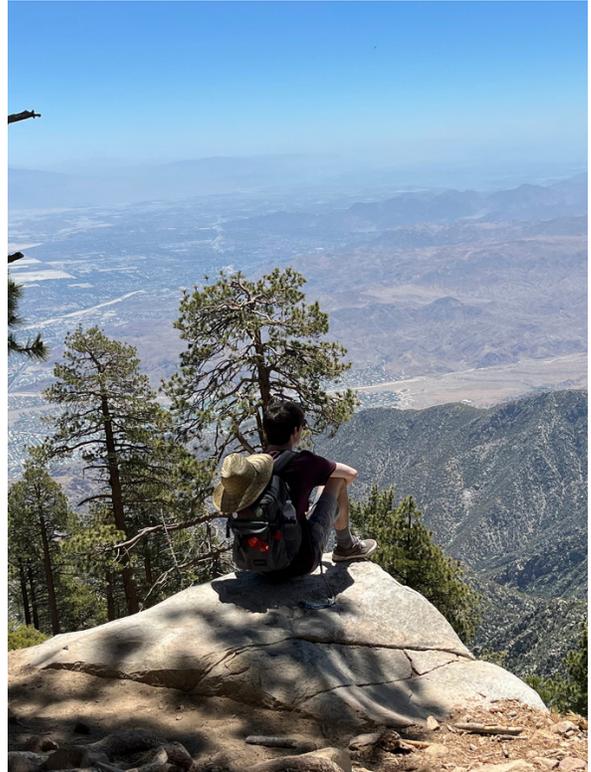
Because of my long-standing passion for electrical engineering and computer science, the UCLA ECE program has been the right fit for me. UCLA has a great balance of academic rigor, student organizations, and social activities. There are various ways to get involved here, and it has been valuable to branch out and connect with other like-minded students. And even better, the Fast Track community is a wonderful supportive and collaborative community to be a part of.

How are you involved at UCLA?

I am grateful to be a part of the IEEE's DAV project! This has been an excellent opportunity to learn how to program FPGAs in a collaborative setting. Also, I'm on the ADCS and EPS teams for Bruin Space's project Rapid. My role is to design electrical schematics, PCBs, and firmware for our future CubeSat's attitude detection and power systems. Apart from EE-related organizations, I love to attend UCLA's Astronomical Society meetings and meet other students deeply interested in astronomy and astrophysics. I'm involved in the AI Safety club at UCLA too. There, I learn about quite exciting topics and research in artificial intelligence. During the upcoming quarter, the Club invited me to assist with AI research. In the few months I've been here, I've had a great time engaging with some of the many opportunities given to UCLA students.

What are your educational and career goals?

I intend on pursuing a Ph.D., but may go for a Master's degree here at UCLA. As far as my career, I may stay with FUTEK, a small engineering firm I've been working for over the last year and a half. At this company, I design precision sensor amplifiers for industrial, aerospace, and medical applications. They gave me a full-ride scholarship to attend UCLA and many wonderful, collaborative electrical engineering experiences. Another area of great interest would be a career related to my love for space. I hope to work in an up-and-coming aerospace company or at NASA JPL.



What projects are you taking on in your own time?

In my free time, I love tackling topics I've never encountered beforehand. For example, I'm designing Mark 2 of a DIY FM receiver. I chose this project since it allows me to dig into more RF theory and have my own (still working) FM radio. Beginning last summer and unrelated to EE or CS, I've been pursuing astrophotography independently. I love taking photos of planets and deep-space objects. This hobby has taught me a lot about cameras, astronomy, photo editing, meteorology, and time management!

