

Hey! I'm Tyler and I'm a first year undergraduate at UCLA majoring in Electrical Engineering. I grew up in Southern California and went to Walnut High School. I'm really looking forward to experiencing life on campus at UCLA.

My interest in STEM started through my classes in AP Computer Science and AP Physics back in high school. These classes led to my engineering internship at Cal Poly Pomona in researching how electrospun nanofiber properties (like electrical conductivity and photosensitivity) are affected through varying pyrolysis temperatures. My lab group and I presented our findings at a symposium, where we demonstrated its potential uses in sensors and batteries. I also contributed to a published paper in a peer-reviewed journal as the first author. This experience taught me that engineering and research can lead to major impact and useful applications in our everyday lives.

Outside of the STEM fields, I am interested in exploring the field of business. I launched a successful Kickstarter called Transflux Playing Cards which involved designing a deck of playing cards from scratch using Adobe Illustrator, marketing via social media, contacting manufacturers, and eventually fulfilling orders. One day, I hope to bring business and engineering together. In my free time, I watch the NBA and play video games with friends.

At UCLA, I have been involved in the Creative Labs web development fellowship program. Also, throughout the summer and into the school year, I have been working in research as a part of the Arisaka lab on a depth perception project. We are using a combination of Arduino technology and Python data analysis to prove a relation between depth perception and ocular dominance. Through an engineering degree, I hope to utilize my experiences and knowledge in building technologies that will have real world applications. I want my work to benefit others and ultimately create positive impact.