

# Joshua Burpee

UCLA Fast Track - Class of 2026



Hello! My name is Joshua Burpee, a first year electrical engineering student at UCLA. I was born and raised in San Jose, California and recently graduated from Leigh High School. Some of my interests outside of school include solving puzzles ranging from Rubik's cubes to jigsaws, photography of landscapes, food, and people, as well as exploring the outdoors through camping and rock climbing.

## Why did you choose UCLA ECE?

I was immediately drawn to UCLA because of the people. As soon as I toured campus, I saw the smiling faces and welcoming atmosphere which made campus feel like home. I stayed with UCLA ECE because of the opportunities available. Being able to work with such impressive professors that have so many awesome projects ranging from Embedded Systems to developing new machine learning technology.

## How are you involved at UCLA?

I am involved in one of the year-long projects of IEEE called DAV, an acronym for Digital Audio Visualizer, which utilizes an FPGA and System Verilog coding language. This project can process audio input and output those signals on a VGA display. Moreover, I am a part of BEAM, a club centered around developing and teaching STEM lessons and activities to elementary school students in the nearby LA area. So far we have covered lessons in Mechanical Engineering,

Chemistry, Physics, and Civil Engineering. At the moment I am involved in a research seminar to develop a new circuits lesson for future use by the club. Outside of academics, I have fun going to Photography Club, Disney Club, and Rubik's Cubing Club with weekly meetings and events.

### **What are your educational and career goals?**

I hope to pursue a Master's degree in Electrical Engineering after my Bachelor's degree from UCLA. During my time at UCLA, I hope to get involved in undergraduate research and explore new engineering topics that I have never encountered before. In my career, I hope to work directly with others to solve problems. No matter where I end up, whether a big tech company or a small start up, I will use my expertise to help make improvements in the world around me.



A recent picture from the UCLA Marina!

### **What projects are you taking on in your own time?**

Within my own time I enjoy working with my hands to express my creative side. Recently I have been into origami and lanyard weaving to destress from the day of homework and classes. Otherwise, I hope to pursue experiments in Arduino and wireless communication devices with the help from fellow IEEE members.