

Jared Davis

Los Angeles, California • (818) 219-6201 • Jared.Davis.jjd@gmail.com

<https://www.LinkedIn.com/in/Jared-Davis-8a2b2518b/>

EDUCATION

Bachelor of Science in Electrical Engineering Minor: Japanese Expected May 2022
Colorado State University, Fort Collins, Colorado GPA 2.787

Relevant Undergraduate Coursework

- Project Management
- Circuit Design
- Programming in C, C++, Java, MATLAB
- Autodesk Fusion 360
- Electrical Energy Generation
- Signals and Systems

RELEVANT WORK AND PROJECT EXPERIENCE

Student Research, *CSU Powerhouse Energy Campus* March 2021 to Present

- With a Professor and Graduate Student research DC to DC transmission versus AC to DC transmission in efficiency when delivering power to devices using DC energy
- Program variety of smart plugs using python to be able to test efficiencies
- Build an environment that can properly test the long and short term efficiencies to compare

Project Lead, *CSU Independent Research* Spring 2021

- As a team design, build, and program long distance Arduino based communication devices
- Design a PCB and design a circuit to run an Arduino and radio module via lithium battery
- 3D designing a case for these mobile devices using Autodesk Fusion 360
- Program using Arduino IDE for these devices to communicate with one another

Project Lead, *CSU Independent Research* Fall 2020

- With a partner build and design a touchscreen interface to act as a trigger to take photos using a polaroid camera
- Program a touch screen interface home screen and selection screen for timer or instant photos using Arduino IDE
- 3D design a large topless case to keep electronics safe but still access the touchscreen with Autodesk Fusion 360

Robotics Teacher, *Chaminade College Preparatory* Summer 2017, Summer 2018
Canoga Park, California

- Build a schedule to teach a regimen for kids interested in STEM
- Have many weeklong classes switching concepts from robotics and programming
- Teach using LEGO MINDSTORMS EV3 software of simplified programming

LEADERSHIP

President, *CSU Japanese Student Association* Fall 2020 to Present
Colorado State University

- Organize event and language exchanges
- Guide and assist incoming exchange students from Japan