

# Derek Lee

derek8lee@gmail.com | (510) 304-4753 | <https://www.linkedin.com/in/derek-lee-tech/> | <https://github.com/DerLee4>

## EDUCATION

### **Bachelor of Science in Computer Engineering, June 2020**

University of California, Davis

Languages: HTML, CSS, C++, C, Python, JavaScript, Bash

Operating Systems: Windows, Linux

Technologies: jQuery, Bootstrap, Git, JSON

Related Coursework:

- Created a C++ program to build a priority queue with an underlying binary heap implementation to implement HeapSort on a JSON file
- Created a C++ program that executes the heap operations from a JSON file and print out the priority queue as a JSON object
- Created a C++ program to execute instructions from a JSON file to build an AVL Tree

## PERSONAL PROJECTS

### **Personal Website (<http://dereklee.tech/>)**

November 2017- Present

(<https://github.com/DerLee4/DerLee4.github.io>)

- Build personal website using HTML, CSS, JavaScript, jQuery plugin BookBlock, jQuery plugin jScrollPane, jQuery plugin jQuery Mouse Wheel, and Bootstrap

### **Energgie (<https://github.com/DerLee4/Energgie>)**

January 2018

- Navigated OBIsoft's PI Web API data on UC Davis with a three-person team to develop a linear regression module in MATLAB to predict energy demand usage in buildings on UC Davis

## EXPERIENCE

### **Teacher's Assistant - Code a Live Website!,**

January 2018 – Present

**UC Davis Student Startup Center** – Davis, CA

- Develop jQuery exercises to teach to 90 students of UC Davis
- Hold office hours to provide assistance and guidance to students

### **Physical Computing Intern, UC Davis Center for Integrated Computing and**

January 2018 – Present

**STEM Education (C-STEM)** – Davis, CA

- Develop and test C/C++ programs to create new chapters in the textbooks used for the C-STEM Center's Arduino and Raspberry Pi curriculum for both K-12 and Community College students to all UC campuses
- Ensure existing curriculum works by finding bugs, defects and verifying fixes
- Communicate technical concepts/issues clearly to the Director and colleagues

### **Projects Member, The Institute of Electrical and Electronics Engineers (IEEE)**

October 2017 – Present

**at UC Davis** – Davis, CA

Swarmbots Project – 24 members

- Create the Swarmbots website using HTML, CSS, JavaScript, and Bootstrap
- Use Arduino to develop PS4 controlled robots to play soccer

### **Software Developer, NOVUS Junior Enterprises** – Davis, CA

March 2017- December 2017

- Taught HTML and CSS tutorials to students of UC Davis
- Maintained NOVUS Junior Enterprises website by fixing bugs using HTML, CSS, JavaScript, and PHP