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, Node.js, ExpressJS, Mongoose, Passport, RESTful Routing

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
- Used C to implement an audio electronic system on a TI RSLK robot to record audio signals and locate the direction of music that is being played in the room

PERSONAL PROJECTS

YelpCamp July 2018 – Present

- Create a fictional full stack web application for reviewing campsites, using Node.js, ExpressJS, Mongoose, Passport, RESTful Routing, jQuery, JavaScript, and Bootstrap
- Design and implement this Yelp style website for campsites that supports user log in, posting review and comments, and editing previous submissions
- Design and implement MongoDB infrastructure to store reviews/comments data and relevant information associated with users and campsites

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

EXPERIENCE

Web Developer, SacHacks – Sacramento, CA April 2018 – Present

- Utilize HTML and CSS for the SacHacks website (http://sachacks.io/)

Teacher's Assistant - Code a Live Website!, January 2018 – Present

UC Davis Student Startup Center – Davis, CA

- Assist over three hundred students during workshops and office hours by debugging websites using HTML, CSS, and JavaScript
- Develop jQuery exercises for one of the workshops to teach to students of UC Davis

Physical Computing Intern, UC Davis Center for Integrated Computing and January 2018 – August 2018

STEM Education (C-STEM) – Davis, CA

- Develop and test C/C++ programs to create new curriculum 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