DEREK LEE

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EDUCATION

University of California, Davis
Bachelor of Science Computer Engineering 2020

EMPLOYMENT

SacHacks, *Web Developer*, Sacramento, CA   Apr. 2018 - Current
• Utilize HTML, CSS, JavaScript, and Bootstrap for the SacHacks main website (http://sachacks.io/) and SacHacks live website that contains the schedule, countdown, and technology available to use during event
• Specialize in optimizing design of website under instructions of SacHacks designer
• Jump into project after old web developer left project and edit SCSS files to run on Node.js server
• Collaborate with team members to discuss and enact vision of SacHacks by being strong team player with goal of improving hacker experience

UC Davis Student Startup Center, *Teacher's Assistant - Code a Live Website!*, Davis, CA   Jan. 2018 - June 2018
• Assisted over three hundred students during workshops and office hours by debugging Bootstrap websites using HTML, CSS, and JavaScript
• Developed and taught jQuery exercises for one of the workshops to teach to students of UC Davis

UC Davis Center for Integrated Computing and STEM Education (C-STEM), *Physical Computing Intern*,   Jan. 2018 - Aug.
Davis, CA   2018
• Developed and tested 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
• Ensured existing curriculum works by finding bugs, defects and verifying fixes
• Communicated technical concepts/issues clearly to the Director and colleagues
• Documented issues and fixes for future reference

SKILLS

LANGUAGES: HTML, CSS, C++, C, Python, JavaScript, Bash
OPERATING SYSTEMS: Windows, Linux
TECHNOLOGIES: jQuery, Bootstrap, Git, SCSS, JSON, Node.js, Express.js, Passport, Mongoose, RESTful Routing

PROJECTS

YelpCamp (https://derek-lee-yelpcamp.herokuapp.com/)   July 2018 - Current
• Create a fictional full stack web application with full CRUD functionality for reviewing campsites, using Node.js, Express.js, Mongoose, RESTful Routing, Passport, jQuery, JavaScript, and Bootstrap
• Design and implement this Yelp style website for campsites that supports user log in, comments posting and reviewing, and previous submissions editing
• Design and implement MongoDB infrastructure to store reviews/comments data and relevant information associated with users and campsites

Personal Website (http://dereklee.tech/)   Nov. 2017 - Current
• Build personal website using HTML, CSS, JavaScript, jQuery plugin BookBlock, jQuery plugin jScrollPane jQuery plugin jQuery Mouse Wheel, and Bootstrap (https://github.com/DerLee4/DerLee4.github.io)

TI RSLK robot   Apr. 2018 - June 2018
• 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

JSON C++ Programs   Jan. 2018 - Mar. 2018
• 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