Derek Lee

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EDUCATION

University of California, Davis   Sep 2016 - June 2020

Bachelor of Science in Computer Engineering

Relevant Coursework: Discrete Mathematics, Object-Oriented Programming, Data Structures

EXPERIENCE

SacHacks   Dec 2018 - Current

Executive Director, Sacramento, CA

- Lead efforts on expanding influence of SacHacks in the second year on Sacramento community by strengthening communication within the team and reaching out to Sacramento companies
- Enact and discuss vision of SacHacks by being strong team player with goal of improving hacker experience

Web Developer , Sacramento, CA   Apr 2018 - Nov 2018

- Utilized HTML, CSS, JavaScript, and Bootstrap for the SacHacks main website (http://sachacks.io/) and SacHacks live website (http://sachacks.io/live/index.html) that was used by 400+ individuals during event using Twitter API
- Optimized design of website under instructions of SacHacks designer
- Edited SCSS files to run on Node.js server

C-STEM Center   Jan 2018 - Aug 2018

Physical Computing Intern, Davis, CA

- 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
- Communicated technical concepts/issues clearly to the Director and colleagues
- Documented issues and fixes found for future reference to ensure existing curriculum works

UC Davis Student Startup Center   Jan 2018 - June 2018

Teacher's Assistant, Davis, CA

- Assisted 300+ students during workshops and office hours by debugging Bootstrap websites using HTML, CSS, and JavaScript
- Developed and taught jQuery exercises to teach to students of UC Davis

SKILLS

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

Technologies: jQuery, Bootstrap, Git, SCSS, JSON, Node.js, Express.js, Passport, Mongoose, RESTful Routing, Twilio API, Raspberry Pi, Arduino

PROJECTS

SafeDrive   Jan 2019 - Current

Node.js, RESTful Routing, Twilio API, Google+ API, Raspberry Pi, Arduino

- Create a full stack web application to send unique SMS messages if sensors detect close distance of license plates (tailgating) or usage of high beams
- Implement a sensor system to detect distance of license plates and to authenticate existence of high beams using Raspberry Pi and Arduino

YelpCamp (https://derek-lee-yelpcamp.herokuapp.com/)   July 2018 - Sep 2018

Node.js, Express.js, Mongoose, RESTful Routing, Passport, jQuery, JavaScript, Bootstrap, HTML, CSS

- Designed Yelp style full stack web application with full CRUD functionality for campsites that supports user log in, comments posting and reviewing using MongoDB infrastructure, and previous submissions editing

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)