

Derek Lee

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EDUCATION

University of California, Davis

Sep 2016 - Dec 2020

Bachelor of Science in Computer Engineering

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

EXPERIENCE

SacHacks

Executive Director, Sacramento, CA

Dec 2018 - Current

- Lead efforts on expanding SacHacks from 300 hackers to 1,200 hackers in the second year by managing 30+ person team from 6 different colleges in Northern California and by reaching out to 40+ companies from Northern California
- Execute deal to reconfirm Sacramento Kings as co-host for the second year of SacHacks with a \$10,000 sponsorship deal
- Coordinate efforts to obtain the Golden 1 Center as venue by giving detailed needs of the event
- Recruit students from 6 different colleges to be part of organizing team as well as develop team culture with team bonding activities

Web Developer, Sacramento, CA

Apr 2018 - Nov 2018

- Utilized HTML, CSS, JavaScript, Bootstrap, and Twitter API for the SacHacks main website (sachacks.io) and SacHacks live website (sachacks.io/2018/live/index.html) that was used by 400+ individuals during hackathon
- Optimized design of websites under instructions of SacHacks designer
- Edited SCSS files to run on Node.js server

Albertsons Companies, Inc.

June 2019 - Aug 2019

Software Engineer Intern - eCommerce Team, Pleasanton, CA

- Developed a multi-email service solution to non-ADA compliant eCommerce email receipts by teaching myself Java to send my HTML and CSS emails using Apache FreeMarker template engine and Spring
- Developed customer relationship manager full-stack application with CRUD operations using Java, Spring, Spring Boot, Hibernate, Maven, Ajax, HTML, CSS, and MySQL to demonstrate proficiency in tech stack to mentors and manager before working on ADA email project
- Manually tested UI of Jewel-Osco ecommerce website and checkout service API test cases using Postman to ensure complete functionality of website is maintained as website transitions from .NET to Java
- Identified bugs in Safeway rewards program
- Asked questions in sprint demos about things like use cases

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 300+ students of UC Davis

SKILLS

Languages: Java, C++, C, Python, JavaScript, Bash

Technologies: HTML, CSS, Spring, Spring Boot, Hibernate, Maven, Ajax, MySQL, jQuery, Bootstrap, Git, SCSS, JSON, Node.js, React, Express.js, Passport, Mongoose, RESTful Routing, Raspberry Pi, Arduino, Windows, Linux

PROJECTS

SafeDrive (devpost.com/software/safedrive-5obqky)

Jan 2019 - March 2019

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

- Created a full stack web application to send unique SMS messages if sensors detected close distance of license plates (tailgating), usage of high beams, or if the temperature outside was too hot for people, pets, or produce inside the car
- Implemented a sensor system to detect distance of license plates and to authenticate existence of high beams using Raspberry Pi and Arduino