

Derek Lee

San Francisco Bay Area

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Education

University of California, Davis

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Sep 2016 - Dec 2020

- **Relevant Coursework:** Discrete Mathematics, Object-Oriented Programming, Data Structures, Algorithms, Computer Architecture, Computer Networks, Operating Systems, Embedded Systems, Machine Learning, Data Science & AI Systems Senior Design (TA Fall 2020)

Work Experience

Chevron Corporation

Houston, TX (Remote)

INFRASTRUCTURE SYSTEMS/CLOUD INTERN - MOBILITY DESIGN TEAM

June 2020 - September 2020

- Developed a device management and security solution for macOS devices for the enterprise using Microsoft Intune Mobile Device Management System and Microsoft Defender Advanced Threat Protection
- Delivered a Minimum Viable Product that will meet Chevron Cybersecurity standards and lead to the production support of corporate MacBooks for 100% of Chevron developers to use
- Achieved best scoring model out of 400 Chevron interns in Summer Intern Data Science Challenge to predict the Gross Sold quantity of hot dogs globally in Chevron fueling stations by leveraging Azure DevOps and Python Pandas, Scikit-learn, and NumPy to build Random Forest Regression, Linear Regression, XGBoost, and Support Vector Regression models
- Beta tested developer macOS Big Sur to identify possible macOS vulnerabilities by using Azure Information Protection
- Practiced SAgile and utilized Azure Boards with team to define user stories to track and update status of stories using the Kanban board

Albertsons Companies, Inc.

Pleasanton, CA

SOFTWARE ENGINEER INTERN - ECOMMERCE TEAM

June 2019 - Aug 2019

- Developed a multi-email service solution to non-ADA compliant eCommerce email receipts to send HTML and CSS emails using Apache FreeMarker template engine, Java, 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

SacHacks

Sacramento, CA

EXECUTIVE DIRECTOR

Dec 2018 - Current

- Lead efforts on ensuring SacHacks has 300 projected hackers participating in the second year and third year by managing all 5 departments of 30+ person team from 6 different colleges in Northern California and by developing health protocols for COVID-19
- Raise 80% of funds single handedly by executing deal to reconfirm Sacramento Kings as co-host for the second and third year of SacHacks with a \$10,000 sponsorship deal as well as partnerships with other organizations
- Develop strategies for emerging content channels by leveraging A/B Testing and Mailchimp to grow social media by 20%

WEB DEVELOPER

Apr 2018 - Nov 2018

- Utilized HTML, CSS, JavaScript, Bootstrap, and Twitter API on Node.js server 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

Skills

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

Technologies: 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, macOS Big Sur, Microsoft Intune MDM, Microsoft Defender ATP

Projects

SafeDrive

Devpost Link

NODE.JS, RESTFUL ROUTING, TWILIO API, GOOGLE+ API, SMARTCAR API, OPENWEATHERMAP API, RASPBERRY PI, ARDUINO

Jan 2019 - March 2019

- 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