Devin Mui

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EDUCATION

University of Southern California (USC) — *BS Computer Science; 3.85 GPA*

EXPECTED TO GRADUATE DECEMBER 2022

EXPERIENCE

USC Marshall Experiential Learning Center, Los Angeles, CA — *Programmer*

APRIL 2020 - PRESENT

- Working part time alongside the school of business and computer science department to fix and deploy software developed by seniors in capstone courses
- Utilizing multiple software stacks to develop and patch a suite of web and mobile frontend applications with React.js, EJS, and React Native and real time backend applications with PHP, Laravel, Express.js, MySQL, MongoDB, and Socket.io to deploy on an Apache web server
- Serving dozens of game applications to hundreds of business students to learn effectively in remote learning situations

SORACOM Global, Inc., Menlo Park, CA — *Software Engineer Intern*

AUGUST 2019 - DECEMBER 2019

- Built an IoT electric scooter to demonstrate SORACOM's cellular connectivity
- Utilized Node.js to develop a serverless API through AWS Lambda
- Controlled Xiaomi M365 scooter with Python bluepy and React Native iOS/Android mobile apps
- Wrote and published technical videos and articles on Hacker Noon with thousands of views and hundreds of hours read

EPNomad Inc., Danville, CA — *Software Developer*

SEPTEMBER 2016 - APRIL 2017

- Developed an image recognition API for clients using Express.js and MongoDB as the backend
- Interfaced a C/C++ deep learning convolutional neural network to accept, train, and recognize Base64 encoded images
- Developed Android/iOS mobile applications and SDKs with Java and Swift

PROJECTS

Blindsight — *TechCrunch Disrupt SF Hackathon*

- Won Visa API, HERE Mobility SDK, and semi-finalist awards at TechCrunch Disrupt SF Hackathon
- Featured on Hackster.io, Makezine, PYMNTS.com, and CBS
- Developed a smartwatch device to assist the visually impaired through machine learning
- Used Python to perform object recognition and tracking and optical character recognition (OCR) with OpenCV

BobaFetch — *Cal Hacks 6.0 Hackathon*

- Won Best Use of Hardware and 3rd Place Overall
- Developed an automated boba barista machine and delivery robot in a weekend
- Used CockroachDB, Sequelize, and Express.js to develop a web application and API deployed on Azure Compute to track order queues and manage states in real time through short polling

SKILLS

Node.js	React	AWS	React Native
Python	SQL	Linux	AVR/Arduino
JavaScript	MongoDB	C/C++	Docker
HTML/CSS	Java	Git	Ruby on Rails

RELEVANT COURSEWORK

Principles of Software Development
Data Structures and Algorithms
Introduction to Embedded Systems
Computer Architecture w/ MIPS Assembly
Discrete Mathematics