

Devin Mui - Software Engineer

EDUCATION

BS in Computer Science and Minor in Mathematics (3.85 GPA)

University of Southern California (USC)

2018 - 2022 (Expected Graduation Year), Los Angeles, CA

EXPERIENCE

Programmer - USC Marshall Experiential Learning Center

April 2020 - Present, Los Angeles, CA

- Coordinating with managers and students to patch and deploy software to USC servers
- Thoroughly understanding student code with React.js, EJS, Socket.io, PHP, MySQL, and MongoDB to help draft training manuals while improving load times by up to 90%
- Successfully resolving hundreds of bugs assigned by managers to serve dozens of game applications to thousands of MBA students to learn effectively in remote situations

Software Engineer Intern - SORACOM Global, Inc.

August 2019 - December 2019, Menlo Park, CA

- Recruited a small team to build an electric IoT scooter to demonstrate cellular connectivity
- Wrote Node.js to create a serverless AWS Lambda API to control an electric scooter with React Native cross-platform mobile apps to reduce data costs by 66%
- Co-authored and shot technical articles and videos on Hacker Noon and YouTube with hundreds of hours read and thousands of views

Software Developer - EPNomad, Inc.

September 2016 - April 2017, Danville, CA

- Directed team to program an image recognition API using Express.js and MongoDB
- Facilitated the use of a C/C++ convolutional neural network to train and predict image labels with over 90% accuracy through a series of Python scripts
- Managed team to interpret and implement OAuth 2.0 specification for secure authentication
- Collaborated in a small group to code SDKs for use in over ten programming languages
- Managed team to effectively demonstrate and teach a suite of APIs at CodeDay Bay Area in which a dozen teams utilized to create award-winning applications

PROJECTS

Blindsight - TechCrunch Disrupt SF Hackathon

- Awarded semi-finalist and featured on CBS news after assembling and training team
- Interviewed over twenty visually impaired people for market research to innovate a machine learning smartwatch for the blind
- Used Python to perform object recognition and tracking as well as optical character recognition (OCR) with OpenCV to win over a hundred other teams

BobaFetch - Cal Hacks 6.0 Hackathon

- Communicated and drafted Agile development plan for team to win Best Use of Hardware and 3rd Place Overall over thousands of other competitors
- Invented a boba machine using CockroachDB and Express.js running on Azure Compute to track order queues in real time to reduce drink cost by 500%

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Social

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Languages & Frameworks

Node.js/JavaScript

TypeScript

Express.js

React.js/React Native

Python

C/C++

Java

MongoDB

SQL

HTML/CSS

Tools

NGINX, Arduino AVR,

Git, Docker, Linux, AWS,

Azure

Relevant Coursework

Principles of Software Development

Data Structures and Algorithms

Introduction to Embedded Systems

Computer Architecture w/ MIPS Assembly

Discrete Mathematics

Linear Algebra w/ Differential Equations