Devin Mui

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4432 Jordan Ranch Drive
Dublin, CA 94568

EDUCATION

University of Southern California — BA in Cognitive Science

STARTING JANUARY 2020

Las Positas College — AA-T in Economics and AS-T in Mathematics

JANUARY 2016 - CONFERRED MAY 2019

EXPERIENCE

EPNomad Inc., Danville, CA — *Lead Software Engineer*

SEPTEMBER 2016 - APRIL 2017

Developed an image recognition API for clients. Managed a team of 4 student engineers to interface a deep learning convolutional neural network into a Node.js Express REST API. Pitched to venture capitalists and placed Fourth in AngelHack's Global Demo Day. Showcased in the documentary *Seed* directed by Andrew Wonder.

Young Ivy Academy, Pleasanton, CA — *Coding Teacher*

JUNE 2016 - AUGUST 2016

Introduced computer science concepts to a group of around 10 middle school students. Developed an automatic homework submission and grading website. Developed a projects-based curriculum by teaching students how to build a social network in Python and a real-time video game in JavaScript.

PROJECTS

nowo's ark — HackSC 2019

Created an inexpensive flood detection system for third world countries. Used Cloudflare workers and their key-value store to preemptively alert communities of floods through Twilio as well as collect user information and flood data. Won Best IoT Hack and Best Use of Serverless.

Muicrowave — SLO Hacks 2019

Built a smart microwave from a free microwave from Craigslist. Reverse engineered the microwave to find and control circuit board I/O with a Qualcomm 410c Dragonboard through Arduino, Python, and Node.js Express. Won Best IoT Hack and Best Use of Qualcomm 410c Dragonboard.

PictRNNary — Cal Hacks 5.0 2018

Built an artificial intelligence that can play Pictionary. Used Microsoft Azure APIs and instances to develop a sketch-drawing recurrent neural network in Python. Won the Microsoft award and was a Microsoft Imagine Cup semifinalist.

Blindsight — TechCrunch Disrupt SF Hackathon 2018

Developed a smartwatch device to assist the visually impaired through machine learning and haptic feedback. Utilized a Raspberry Pi as a microcontroller and developed an Android application that would communicate with the device through Bluetooth. Won semi-finalist at China-US Young Maker Competition 2018. Won Visa API, HERE Mobility SDK, and semi-finalist awards at TechCrunch Disrupt SF Hackathon 2018. Featured on Hackster.io, Makezine, PYMNTS.com, and CBS.

Cropcircles — NASA SpaceApps SF 2016

Developed a drone system that would automatically collect soil data from farmland. Used the DJI SDK to develop an iOS application that would communicate with a Node.js Express server. Won Best App/Tech Idea.

SKILLS

Node.js/Javascript - Python - C++ - Java/Android Development