

# Devin Mui

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4432 Jordan Ranch Drive  
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## EDUCATION

### University of Southern California — BS in Physics/Computer 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. Learned to interface a deep learning convolutional neural network into a Node.js Express.js REST API in two weeks. Placed fourth in AngelHack's Global Demo Day and 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 middle school students. Learned Flask in a weekend to develop an automatic homework submission and grading website. Developed a project-based curriculum by teaching students how to build a social network using Flask and a real-time rock-paper-scissors game with Socket.IO and JavaScript.

## PROJECTS

### nowo's ark — HackSC 2019

Created an inexpensive flood detection system for third world countries. Learned how to use Cloudflare workers and their key-value store in a weekend to preemptively alert communities of floods through Twilio while collecting user information and flood data for analysis. Won Best IoT Hack and Best Use of Serverless.

### Microwave — SLO Hacks 2019

Built a smart microwave from a free microwave. Learned to create Amazon Alexa skills and reverse engineered the microwave to inject commands to the circuit board I/O with a Qualcomm 410c Dragonboard and Amazon Alexa voice commands using Arduino, Python, and Node.js Express.js. 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 to create a voice interface that could distinguish different player voices to develop a scoring system. Interfaced a Node.js back end with a sketch-drawing recurrent neural network. 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. Learned Bluetooth protocols in a month to develop a voice assistant with Android that could communicate with a Raspberry Pi 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.

## SKILLS

