

Aaron Huang

Computer Science Student @ UC Berkeley

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Education

University of California, Berkeley

aug 2018 - may 2022 (expected)

Bachelors of Arts in Computer Science (GPA 3.54)

- Clubs/Activities: Extended Reality at Berkeley, Data Science Society

Skills

Technologies: Node.js, React + React Native, Express, Android Studio, Pandas, Git

Languages: Python, HTML5/CSS/JS, Java, SQL, Kotlin

Experience

Academic Intern

jan 2020 - current

UC Berkeley (Data 100)

- Helped run weekly labs to teach students data science fundamentals (linear/logistic regression, bias-variance tradeoff, gradient descent, random forests)
- Helped debug student code written with various data science libraries (Pandas, NumPy, SciPy, PyTorch)

Software Engineer Intern

jun 2019 - jan 2020

Soracom Global Inc.

- Added remote management capabilities onto a Xiaomi M365 electric scooter to demonstrate Soracom's cellular services
- Created an Android app with React Native and Stripe API for accepting payments and unlocking the scooter
- Published articles and videos about the development process on Hackernoon with thousands of views

Mobile Developer (Android)

jun 2017 - aug 2017

Project Loaf

- Designed and developed an Android app for storekeepers to visualize and optimize foot traffic in stores
- Developed a way to track customers' location indoors using WiFi and Bluetooth probe requests with Raspberry Pis

Projects

Augmented Reality for Visually Impaired People

sep 2019 - current

Stack: Microsoft HoloLens, Unity (C#), Google Cloud Vision API

- Added gesture support to a HoloLens application aimed at helping visually impaired people navigate their surroundings
- Used Google Cloud Vision APIs to parse and read text captured by the HoloLens

Bobafetch

nov 2019

Stack: React Native, Stripe API, Python, Microsoft Azure, Arduino, Raspberry Pi

- Won "Best Use of Hardware" and "3rd Place Overall" at CalHacks 6.0
- Created an automated boba barista machine and delivery robot powered by an Arduino and a Raspberry Pi
- Built a customer-facing React Native tablet app for placing orders and buying bubble milk tea

PictRNNary

nov 2018

Stack: Bootstrap + JQuery, Node.js, Tensorflow, Keras, Microsoft Azure

- Awarded Best Use of Microsoft and Regional Microsoft Imagine Cup Semifinalist awards at CalHacks 5.0
- Used HTML and JavaScript to create a web interface for an AI-powered Pictionary game with speech and speaker recognition.
- Hosted a recurrent neural network on Microsoft Azure to generate SVG drawings

Blindsight

sep 2018

Stack: Android, Node.js, Python (OpenCV), Tensorflow, Raspberry Pi

- Won Visa API, HERE Mobility SDK, and semi-finalist awards at TechCrunch Disrupt SF Hackathon (2018)
- Created a smartwatch device to assist the visually impaired with machine learning and haptic feedback
- Trained and used a Tensorflow model to read text in images and perform object recognition
- Built a voice interface for Android using speech recognition and NLP APIs