

Aaron Huang

☎ (415) 812-6317 | ✉ aahuang@berkeley.edu | 🔗 aaronkh | 📍 aaronkh

Education

University of California, Berkeley

AUG 2018 - MAY 2022

Major: Computer Science (B.A.)

Relevant Coursework: Information Devices and Systems, Electronics for the Internet of Things, Computer Security, Machine Structures, Principles and Techniques of Data Science, Algorithms, Data Structures, Discrete Math and Probability Theory

Technical Skills

Technologies: Node.js, React + React Native, Git, MongoDB, Android Studio, Pandas, NumPy/SciPy, TensorFlow + Keras

Languages: HTML5/CSS/JavaScript, Typescript, Java, Kotlin, Python, SQL, Go, C

Work Experience

Amazon

MAY 2021 - AUG 2021

Software Development Engineer Intern

- Added on-device testing functionality to a pre-existing Android application with Java and Dagger
- Created new modals for a customer-facing dashboard to parse and send sensitive biometric data to a remote service in React
- Added new methods to a Coral web service to relay JSON payloads to IoT Android devices via MQTT
- Designed, built, and tested a new feature for Amazon One after gathering requirements from the Research team

UC Berkeley – Department of Data Science

AUG 2020 - present

Undergraduate Student Instructor

- Host virtual discussion sections and office hours to teach data science concepts (NumPy/SciPy, EDA, visualization, regression, classification) to over 1200 students remotely
- Develop course materials and graded assignments to facilitate student learning

Farm Generations

JUL 2020 - SEP 2020

Frontend Developer Intern

- Worked with an Agile development team to build a cross-platform, consumer-facing merchant discovery and shopping portal with React Native
- Added Stripe integration onto an existing farm management app to accept payments and manage user transactions
- Cleaned and managed data from thousands of farms for use in Google's Firebase platform

Soracom Global Inc.

JUN 2019 - JAN 2020

Software Engineer Intern

- Added an analytics and payment platform with the Stripe API onto an electric scooter to demonstrate Soracom's cellular services
- Created an Android app with React Native to remotely manage an electric scooter while reducing data costs by 66%
- Co-authored technical articles on Hacker Noon with hundreds of hours read and starred in demonstration videos on YouTube

Projects

Bobafetch

- Won "Best Use of Hardware" and "3rd Place Overall" at CalHacks 6.0 over thousands of other competitors
- Created an automated boba barista machine and delivery robot in a weekend to reduce bubble milk tea operating costs by 75%
- Built a React Native tablet app for accepting customer bubble milk tea orders and communicating with a remote Arduino device

Blindsight

- Won semi-finalist award at TechCrunch Disrupt SF Hackathon and featured on CBS news out of 100+ other teams
- Used OpenCV in Python to create an assistive device with on-device object recognition, machine learning, and optical character recognition (OCR)
- Built a voice interface for Android with speech recognition and Tensorflow NLP models