

Aaron Huang

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Education

University of California, Berkeley

AUG 2018 - MAY 2022 (expected)

Major: Computer Science (B.A.)

Relevant Coursework: Algorithms, Data Structures, Computer Security, Machine Structures, Principles and Techniques of Data Science, Discrete Math and Probability Theory, Information Devices and Systems, Computer Programming for Music Applications

Technical Skills

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

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

Experience

UC Berkeley (Department of Data Science)

AUG 2020 - current

Tutor

- Hosted virtual office hours to help teach data science concepts (NumPy/SciPy, EDA, visualization, regression, classification) to over 1200 students remotely
- Graded exams and developed course materials for weekly student homework assignments

Academic Intern

JAN 2020 - JUN 2020

- Helped run weekly labs to teach hundreds of students data science fundamentals
- Helped debug student code written with various data science libraries (Pandas, NumPy, SciPy, PyTorch)

Farm Generations

JUL 2020 - SEP 2020

Frontend Developer Intern

- Worked on an Agile development team to build a consumer-facing farm discovery and shopping portal in 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

nowo's ark

- Recruited and guided a small team to be named a semi-finalist in the China-US Young Maker Competition and "Best use of Serverless" by Cloudflare at HackSC 2019
- Built a prototype flood detection and alert system with Cloudflare workers and an Arduino, costing 90% less than similar systems in current use

Bobafetch

- Worked with an Agile development team to win "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 customer-facing React Native tablet app for placing orders and buying bubble milk tea

Blindsight

- Won semi-finalist award at TechCrunch Disrupt SF Hackathon and featured on CBS news amongst over a hundred 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