

Andy Cai

330 De Neve Drive Los Angeles, CA 90024 | andycai0212@ucla.edu | (669) 210-2417
Github: github.com/AndyJCai | Portfolio: andyc.ai | LinkedIn: www.linkedin.com/in/andycai0212/

EDUCATION

University of California, Los Angeles

Graduation: June 2022

B.S. in Computer Science, Intended Minor in Entrepreneurship

Relevant Coursework: Turn Your Idea into a Company, Programming Languages, Software Construction Laboratory, Data Structures and Algorithms, Computer Architecture, Operating Systems, Discrete Mathematics

WORK EXPERIENCE

Routable AI

Cambridge, MA

Software Engineering Intern

Aug. 2020 – Present

- Developing microservices using Golang, GraphQL, and InfluxDB for Routable AI's route optimization API.

Center for Vision, Cognition, Learning, and Autonomy

Los Angeles, CA

Research Intern

Apr 2020 – Present

- Research in Reinforcement Learning for path planning for self-driving vehicles under simulated environments.
- Simulate and improve behaviors of reinforcement learning agents in unknown environments with PyTorch.
- Contributed to an open-source vehicle simulation and data collection tool in C++ under GTA environment.

180 Degrees Consulting

Los Angeles, CA

Senior Consultant

Apr 2019 – Present

- Selected to be one of the 8 new consultants out of 150 applicants to join the team of 27 consultants at 180DC.
- Performed research and data analytics on non-profit incubator Pwrdb's volunteers CRM platform Amelia.
- Created pitch deck and recommended website and SEO strategies for Amelia to Pwrdb CEO.

Blok Party Inc.

Los Angeles, CA

Android Engineer Intern

June 2019 – September 2019

- Ideated and developed the essential features of a modern user dashboard and marketplace on PlayTable's gaming console, collaborated with engineers as well as designers to finalize product requirements and specific interface designs.
- Created Profile caching mechanism to store user's profile information locally and updates every 24 hours, used various technologies including Stripe's Android payment SDK to implement a payment flow that enables users to purchase games and smart pieces and a SetupWizard that guides users through the device setup process.
- Worked closely with CEO, VP and stakeholders to push out the feature for a successful release after internship.

DevX

Los Angeles, CA

Front-end Lead for Pulp

Apr 2019 – June 2019

- Led the ideation and frontend development of Pulp, an experience recommendation app for college students. App nominated as "Best student Experience App" by sponsor TripAdvisor on demo day.
- Proposed and designed a social media feature for Pulp that differentiates it from Yelp and other review apps. Performed A/B testing on the new feature with 30 subjects and refined the feature with user feedback.
- Developed log-in page, map view, and recommendation list page in native iOS (Swift) along with Cocoapods while working closely with 4 engineers and 2 UI/UX designers.

PROJECTS

SF Bay Area Loan Website (sfbayarealoan.com)

Cupertino, CA

Full Stack Developer

Dec 2019 - Jan 2020

- Developed website for a Bay Area loan manager to automate customer information collection.
- Used React.js and Flask backend to develop a modern UI and backend that processes and sends the information of customers to our client, a loan manager. Deployed app on Heroku.

SKILLS AND INTERESTS

Activities: Sigma Eta Pi Premier Co-ed Entrepreneurship Fraternity, 180 Degrees Consulting, DevX, City Fellows Consortium, Los Angeles, Creative Labs

Skills: C++, Python, Git, Javascript, Express.js, React, Node.js, Java, Android Development, Swift, iOS Development, Flask, Bash, Pytorch