Andy Cai

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EDUCATION

University of California, Los Angeles   Graduation: June 2022

B.S. in Computer Science, Intended Minor in Entrepreneurship
Activities: Sigma Eta Pi Premier Co-ed Entrepreneurship Fraternity, 180 Degrees
Consulting, DevX, Creative Labs
Relevant Coursework: Introduction to Computer Science, Linear Algebra, Data Structures and
Algorithms, Computer Architecture, Discrete Mathematics and Structures, Multivariable Calculus

WORK EXPERIENCE

Blok Party Inc.   **South San Francisco, CA**
Android Engineer Intern   June 2019 – Present
- Designed and updated PlayTable's user interface to a more friendly and modern UI using Android Studio.
- Created Profile caching mechanism to store user's profile information locally and updates every 24 hours.
- Implemented a payment flow that enables users to purchase games and smart pieces and a SetupWizard that guides users through the device setup process

Center for Vision, Cognition, Learning, and Autonomy   **Los Angeles, CA**
Undergraduate Researcher   Apr 2020 – Present
- Researching Reinforcement Learning in path predictions and planning for self-driving vehicles.

DevX   **Los Angeles, CA**
Front-end Lead for Pulp   Apr 2019 – June 2019
- Led the frontend development of Pulp, an experience recommendation app for college students.
- Created with log-in page, map view, and recommendation list page in native iOS (Swift) along with Cocoapods.
- Created the work flow and led a team of 3 frontend developers and collaborated with backend developers.

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 Pwrdby's CRM platform Amelia.
- Created pitch deck and recommended website and SEO strategies for Amelia to Pwrdby CEO.

Creative Labs   **Los Angeles, CA**
Front-end Developer   Jan 2019 – March 2019
- Helped and contributed to the frontend development of Saiyle, a crowdsourced delivery app at UCLA.
- Used React Native framework to develop the mobile application on both Android and iOS platforms.
- Created the work flow and developed sign-up and log-in pages along with a team of 4 engineers.

BaySpec Inc.   **San Jose, CA**
Electrical Engineer Intern   Jul 2016 – Aug 2016
- Collaborated with software and electrical engineers on project to improve controlling system of DJI drone.
- Solved system-incompatible problems with the drone and documented the process for later deployment.
- Ran field tests with micro-computers with modified system described above and analyzed camera data.

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, deployed on Heroku.
- Used React frontend and Flask backend to develop a modern UI and backend that processes and sends the information of customers to our client, a loan manager.

SKILLS AND INTERESTS

Skills: C++, Python, Git, Javascript, Node.js, Java, Android Development, Swift, iOS Development, Flask, Bash, Unity Game Development, Arduino, Raspberry Pi
Interests: Basketball, Monopoly Deal Breaker, Hip-hop, Tetris