

Alan Zhang

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EDUCATION

University of California, Berkeley

Graduated: May 2019

B.A. in Computer Science with a minor in Linguistics

GPA: 3.2

Courses: Operating Systems, Algorithms, Data Structures, Computer Security, Networking Architecture, Natural Language Processing, Computer Graphics, Computer Architecture, Teaching CS

EXPERIENCE

Amazon - International Technology and Global Parity Team

Seattle, WA

Software Development Engineer

September 2019 - Present

- Finding novel solutions for problems that block engineering teams from developing globally.
- Building a reporting system and closed-loop mechanisms to track retail website features, solicit diverse feedback, and drive cultural change across world-wide engineering teams and leaders.
- Operating and improving accuracy for big data pipelines to discover and measure Amazon's feature gaps across different geographical regions and languages.
- Rapidly building full stack features and services with AWS, React, GraphQL, and Java.

Cisco Meraki

San Francisco, CA

Software Engineer Intern

May 2018 - August 2018

- Added AES-256 support to the Meraki Cryptography API for user and kernel level operations.
- Updated the MX security appliance's Auto VPN feature to use and negotiate AES-256.
- Improved security options in thousands of enterprise network deployments worldwide.

Berkeley Emergent Space Tensegrities Lab

Berkeley, CA

Undergraduate Researcher

May 2017 - December 2017

- Researched a new design of space robots based off soft and flexible frames.
- Redesigned an extensive software stack and communication protocol for robots.
- Created a flexible and stable API for developing and testing automatic-rolling algorithms.
- Provided direction and standardized engineering practices for future software development.

Pioneers in Engineering at UC Berkeley (PiE)

Berkeley, CA

Advisor, Board of Directors Member

May 2018 - Present

- Leading a STEM outreach 501(c)(3) that develops hands-on engineering experiences for underrepresented high school students in the SF Bay Area.

Outreach Manager

August 2015 - May 2019

- Communicated with and analyzed the needs of 20+ schools and teachers, and 300+ students to understand their needs. Reshaping the focus of holistic and engaging STEM programs, including the flagship Robotics Competition held every Spring for under-served Bay Area high schools.
- Managed teams and sub-teams, of 20+ staff to host and run events on UC Berkeley's campus.

SKILLS

Languages Java, Python, JavaScript, C/C++, Go

Misc AWS Services, GraphQL, React, Big Data, Unix-like Systems, Arduino, Git, Team Leading

Interests Full Stack Development, Systems Engineering, Computer Architecture, Running, STEM Education and Diversity, teaching for Microsoft TEALS