

# Boyang Li

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

Aug 2019 - Jun 2022

GPA: 3.66

- Bachelor of Art in Computer Science and Applied Mathematics (Actuarial Science Concentration)
- Coursework includes The Structure and Interpretation of Computer Programs, Data Structures, Linear Algebra, Discrete Math and Probability Theory, Multivariable Calculus, Machine Structures, Algorithms, Optimization Model in Engineering, Concepts in Computing with Data, and Abstract Algebra

### University of Pennsylvania

Philadelphia, PA

Jul 2018 - Aug 2018

GPA: 4.0

- *Engineering Summer Academy at Penn* program with a concentration in robotics
- Coursework includes programming in C, intro to CAD and manufacturing, and embedded programming and synchronization

## PROFESSIONAL EXPERIENCE

### WowCloud Inc

Berkeley, CA

*Product Manager*

Jun 2020 – Aug 2020

- Responsible for developing both the front end and the backend of a proprietary learning management system for interactive cloud technology tutorials using **HTML**, **Javascript**, and **Node.js**

### UC Berkeley Institute of Electrical and Electronics Engineers

Berkeley, CA

*Teaching Assistant*

Dec 2019 – Present

- Teaching assistant for EE198 Micromouse; helped over 30 students understand the concepts in control and write the path finding programs
- Academic Intern for CS 61A: The Structure and Interpretation of Computer Programs; tutored over 100 students on their homework, lab, and project questions

### Pioneers in Engineering

Berkeley, CA

*Software Engineer*

Aug 2019 – Mar 2020

- Maintained and restructured the existing system for running students' code to improve its performance
- Improved and reorganized the existing code to eliminate error messages generated by Pylint

### Cal Robobears

Berkeley, CA

*Project Leader*

Aug 2019 – Jan 2020

- Led a group of engineers to create 3-pounds battle robots to compete in the annual competition
- Use Fusion 360 to CAD and simulate the robot, manufactured it with 3D printing and CNC cutting

## LEADERSHIP AND VOLUNTEERING

### FRC 117: The Steel Dragons

Pittsburgh, PA

*Team Captain*

Aug 2017 – Jun 2019

- Led to design, build, and program robots to compete in the annual First Robotics Competition. Outreached to corporations such as Google and Giant Eagle as well as local businesses such as Hampshire Mechanics for sponsorships. Successfully raised over \$4,500 for the 2018 season and \$5,000 for the 2019 season
- Qualified for alliance captain and ranked 3rd in the Greater Pittsburgh Regional in the 2019 season for the first time in the team's history since its founding in 1998

### Alpha Sigma Phi Fraternity

Berkeley, CA

*Vice President of Finance/Membership Enrichment/Member Retention*

Jan 2020 – Present

- Prepare chapter budgets and keep track of all expenditures and revenues; manage to reimburse members after each event
- Plan brotherhood retreats and events such as Founder's Day Dinner, semi-formal, and exchanges
- Prepare and organize educational events for all new member in the Membership Orientation program prior to initiation

### The Berkeley Project

Berkeley, CA

*Site Leader*

Nov 2019

- Organized the event of helping plant flowers in a historical garden for the Berkeley Unified School District

## PROJECTS

### Space Invader Game

Sep 2019 - Oct 2019

- Personal gaming project as a replication of the famous space invader game. Written in **Python** with the **Turtle** library

### Gitlet

Mar 2020 - Apr 2020

- A version control system inspired by Git that allows users to add/commit, log, checkout, branch, reset, and merge.

### Liboyang.me

Aug 2020 - Present

- Personal website built with the **Hexo** frame; configured the server with **VPS** and **Command Line Tools**

## SKILLS AND CERTIFICATIONS

**Foreign Languages:** Fluent in English and Chinese; conversational in French; scored 115 on TOEFL

**Programming Languages:** Programming in **Python**, **Java**, **C**

**Certifications:** AWS Certified Cloud Practitioner (August 2020)