

Boyang Li

Berkeley, CA • (510) 599-6562 • liboyang@berkeley.edu

EDUCATION

University of California, Berkeley

Berkeley, CA

- Bachelor of Art in Computer Science and Applied Mathematics (Operations Research 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 of Probability, and Abstract Algebra

Aug 2019 - Dec 2022
GPA: 3.7

University of Pennsylvania

Philadelphia, PA

- 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

Jul 2018 - Aug 2018
GPA: 4.0

PROFESSIONAL EXPERIENCE

WowCloud Inc

Berkeley, CA

Product Manager

Jun 2020 – Aug 2020

- Managed the development for 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

- Helped over 30 students understand the concepts in control and write the path finding programs for EE198 Micromouse
- Tutored over 100 students on their homework, lab, and project questions for CS 61A: The Structure and Interpretation of Computer Programs

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
- Used Fusion 360 to CAD and simulate the robot, manufactured it with 3D printing and CNC cutting

LEADERSHIP AND VOLUNTEERING

Alpha Sigma Phi Fraternity

Berkeley, CA

Vice President of Finance

Jan 2020 – May 2021

President

May 2021 – Present

- Prepared chapter budgets and keep track of all expenditures and revenues; managed to reimburse members after each event
- Managed an executive team of 8 officers and general membership to plan and execute organization's social, recruiting, fundraising, volunteering, charity, and administrative activities

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

The Berkeley Project

Berkeley, CA

Site Leader

Nov 2019

- Organized the event of helping with a botanical project 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**

Gitlet

Mar 2020 - Apr 2020

- Version control system inspired by Git that allows users to commit, checkout, branch, reset, and merge.

Liboyang.me

Aug 2020 - Present

- Personal website using the **Hexo** framework; 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)