

# Young Guo

<https://oldguo.github.io>

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## EDUCATION

### UC BERKELEY

B.A. Computer Science

Expected May 2019 | Berkeley, CA

GPA: 3.73 / 4.0

## COURSEWORK

### UNDERGRADUATE

**CS61A:** Structure and Interpretation of Computer Programming

**MATH54:** Linear Algebra and Differential Equations

**CS61B:** Data Structures

**CS70:** Discrete Mathematics and Probability Theory

**CS61C:** Machine Structures

**CS188:** Artificial Intelligence

**CS186:** Database Systems

**CS195:** Social Implications of Computing

**CS162:** Operating Systems and Systems Programming

**CS170:** Efficient Algorithms and Intractable Problems

**CS168:** Introduction to the Internet: Architecture and Protocols

**CS161\*:** Computer Security

**CS164\*:** Programming Languages and Compilers

## SKILLS

### PROGRAMMING

Java • C • Python • Swift • SQL

HTML/CSS/JavaScript • Rails • Django

Docker • Kubernetes • Helm • Jenkins

Git • Vim

## LINKS

Github: [github.com/oldguo](https://github.com/oldguo)

LinkedIn: [linkedin.com/in/youngguo](https://www.linkedin.com/in/youngguo)

Portfolio: [oldguo.github.io](https://oldguo.github.io)

## EXPERIENCE

### STRIPE | Software Engineer Intern

May 2018 – August 2018 | San Francisco, CA

- Incoming Summer 2018

### WORKDAY | Software Development Engineer Intern

May 2017 – August 2017 | Pleasanton, CA

- Implement fully customized Jenkins Helm Chart on Kubernetes clusters
- Leverage Arquillian Cube for integration tests in Kubernetes environments
- Integrate Kubernetes/Docker pipelines into current bare metal based CI

### CODEBASE | Project Manager

February 2017 – Present | Berkeley, CA

- Student organization that provides software solutions for startups
- Develop NLP slackbot for developer sourcing startup, Crowdbotics
- Build out AWS infrastructure for AI-driven healthcare startup, YiTuux

### WREVIE | Software Engineering Intern

May 2016 – June 2016 | Sunnyvale, CA

- Work with scikit-learn and Ida machine learning libraries to conduct sentiment analysis within the E-Commerce sector
- Create data parser and formatter for review model training data
- Conduct research on various topic-modeling approaches

## PROJECTS

### HAVEN | An Anonymous Social Network for iOS

June 2017 – Present

- Swift/Firebase
- Lead backend team development using Firebase NoSQL database
- Implement question/answer, voting, and chat functionality

### SHIP | An online matchmaking-driven dating application

CalHacks 3.0 – November 2016

- HTML/CSS/React.js/Node.js/Rails
- Implement unique matchmaking system and ship algorithms
- Integrate Facebook Graph API for account management

### CRAFTNET | A social marketplace for artistic entrepreneurs

October 2014 – February 2015

- HTML/CSS/JavaScript/Django
- Implement user account, item listing, and shopping cart functionality
- Develop search/filtering algorithms, user follower system, and ratings/reviews integration

## AWARDS

2018	National	UC Berkeley Regents' and Chancellors Scholarship
2015	4 <sup>th</sup> – State	FBLA E-Business Programming
2014	1 <sup>st</sup> – State	FBLA Desktop Application Programming
2013	1 <sup>st</sup> – State	FBLA Computer Game and Simulation Programming