

# William Zhou

<http://linkedin.com/in/williamzhouu>  
guanlinzhou@berkeley.edu | 818.307.2334

## EDUCATION

### UC BERKELEY

COMPUTER SCIENCE &  
BUSINESS ADMINISTRATION  
Expected Dec 2020 | Berkeley, CA

### EL CAMINO REAL CHS

Grad. May 2017 | Los Angeles, CA

## LINKS

Github:// [guanlinzhou](#)  
LinkedIn:// [williamzhouu](#)  
DevPost:// [guanlinzhou](#)  
HackerEarth:// [guanlinzhou](#)

## COURSEWORK

### COMPLETED

CS 61A Interpreters/Program Structures  
CS 61B Data Structures  
CS 61C Machine Structures  
CS 70 Discrete Math and Probability  
EE 16A Information Devices and Systems  
DS 8 Foundations of Data Science  
UGBA 10 Principles of Business  
STAT 20 Probability and Statistics

### IN PROGRESS

CS 170 Algorithms  
CS 188 Artificial Intelligence  
Stat 134 Probability for Data Science

## SKILLS

### PROGRAMMING

Java • React • JavaScript • Matlab  
Django • Python • C • AWS  
PostgreSQL • NumPy • Pandas  
Redux • NLU • Firebase • Heroku

### GENERAL

Presentation • Decking  
Project Management • Design

### LANGUAGES

English • Mandarin  
French (Limited Working Fluency)

### INTERESTS

Basketball • Chess • Trumpet  
Weightlifting • Photography

## POSITIONS

### SOFTWARE DEVELOPER | CODEBASE

Jan 2018 – Present | Berkeley, CA

- Developing large-scale software projects for startups in order to optimize workflows and create fluid and intuitive user experiences
- Working closely with 8 other team members in a rotational scheme in order to achieve a large range of experiences with different facets of software engineering (Full-Stack, Machine Learning, etc.)

### ACADEMIC INTERN/LAB LECTURER | CS 61A

Aug 2017 - Present | Berkeley, CA

- Improving the performance of over 100 students every week
- Gave 20+ review lectures during lab time
- Providing precise and personalized help with tough concepts using different teaching approaches to ensure student understanding and improvement

## PROJECTS

### BETTERCLOUD | SERVICENOW/JAVASCRIPT (CODEBASE)

- Integrated an online SaaS Operations Management and Security Platform into a ServiceNow instance
- Automated the creation of ServiceNow ITSM tasks based on BetterCloud activity
- Maximized API throughput at capped at 200 requests/second by creating a scalable Google cloud function to distribute rate limits

### CODEDOOR | PYTHON/DJANGO (CODEBASE)

- Designed and Implemented a modern, fluid site based on Glassdoor using Django, PostgreSQL, Redux, etc., for Codebase internal use
- Deployed on Heroku and integrated with AWS while working in a 8-person team

### BAKER STREET ANALYTICA | PYTHON/IBM WATSON

- Created a marketing tool using Reddit that helps firms identify key ideas, technologies, and entities to promote marketing growth
- Built a buzzword analysis and identification platform using the IBM Watson's natural language understanding (NLU) package and the Python Reddit API Wrapper (PRAW) to identify important keywords and entities
- Implemented useful graphical visualizations using Plot.ly for easy readability

### BREVÉ | PYTHON

- Created a productivity web-app to remind users of upcoming deadlines, weather conditions, calendar events, etc.
- Built an AI-based email processor using IBM Watson's NLU package to identify events, names, and dates/times to automatically add events to Google Calendar
- Designed a front-end with 2 partners, and deployed on Heroku using Google Firebase to host emails and reminders