

# KUNAL AGARWAL

(510) · 676 · 3898 — kagarwal2@berkeley.edu

Berkeley, CA — kunal-agarwal.com

## EDUCATION

---

### University of California, Berkeley

May '21

Bachelor of Arts in Computer Science and Applied Mathematics

GPA: 3.89/4.0

### Mission San Jose High School

Jun '17

High School Diploma

Student Groups: Wind Ensemble & Marching Band (Trumpet), Debate, Model United Nations

## SKILLS

---

**Proficient** Python, Java, Scheme

**Familiar** MySQL, HTML/CSS, Javascript, Django

## RELEVANT COURSEWORK

---

- Program Structures & Interpretations, Data Structures; Foundations of Data Science
- Linear Algebra, Multivariable Calculus

## EXPERIENCE

---

### CS 61A: Structure and Interpretation of Computer Programs

Jun '18 - present

*Academic Intern*

*UC Berkeley*

- Assisted in lab sections three hours a week by reinforcing each students understanding of course material and providing conceptual support.
- Provided support in office hours two hours a week by guiding students through comprehensive classifier and interpreter projects.

### Pioneers in Engineering

Aug '17 - May '18

*Web Developer*

*UC Berkeley*

- Maintained website [pioneers.berkeley.edu] using HTML/CSS.
- Repaired and improved parts of the website by debugging margin issues, photo quality, and CSS stylesheet issues and adding features required by the team.
- Redesigned the website to make it user-friendly by changing the organization of information, replacing the layout of the front page, and reformatting the way in which the website looped through XML files.

## PROJECTS

---

### Amazons: Computer Game

Nov '18

- Developed an AI using a minimax algorithm utilizing alpha-beta pruning and iterative deepening.
- AI was ranked in the top five of a class of almost a thousand students.
- Implemented in Java using an extensive knowledge of object oriented programming.

### CS 61A: Teaching Materials: Web Application using Django

Aug '18

- Utilized Django framework to allow users to view worksheets and their corresponding solutions that are specific to their topic(s) of preference.
- Implemented on personal website [kunal-agarwal.com] using HTML and CSS.