

# Rachel Xiao

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## EDUCATION

**University of California, Berkeley | College of Engineering**

**May 2026**

*B.S. in Electrical Engineering and Computer Sciences*

*GPA: 3.96*

**Coursework:** Computer Architecture, Data Structures & Algorithms, Structure & Interpretation of Computer Programs

## WORK EXPERIENCE & FELLOWSHIPS

**MullenLowe Group**

**June 2023 - August 2023**

*Information Technology Intern*

*New York, NY*

- Used Java to pull Vantage data through APIs, write them into SQL databases, and organize data on Logi Analytics web apps to visualize reports for prospective costs in relation to budgets to assist client financial decisions
- Led a ticketing system to progress and teach the phases of Scrum to a team of 10 for developing technical changes
- Standardized testing and requirements documentation for HR APIs and web app request forms to increase transparency about projects and improve the process of transferring projects throughout the IT department

**Academic Atlas**

**June 2023 - August 2023**

*Software Engineer Intern*

*Remote*

- Used BeautifulSoup library to scrape websites and organize data in CSV files about 500+ pre-collegiate programs
- Segmented 400,000 emails with Python to facilitate communication of education programs to interested parties

**Major League Hacking**

**February 2023 - April 2023**

*Site Reliability Engineering Fellow*

*Remote*

- Built a portfolio using Flask and Jinja and completed a curriculum covering site reliability production engineering
- Automated testing and deployment workflows to Digital Ocean with CI/CD in GitHub Actions and bash scripting

**Stuyvesant Google Mentorship Program**

**March 2022 - June 2022**

*Project Developer*

*New York, NY*

- Created a program that classifies posture from users' webcam data based on identified correlations in Matplotlib
- Used TensorFlow Posenet Model, TensorFlow Hub, OpenCV, and cosine similarity to compare ideal/bad postures

## LEADERSHIP EXPERIENCE & ACTIVITIES

**UC Berkeley Electrical Engineering & Computer Sciences**

**January 2023 - May 2023**

*CS 61A Academic Intern*

*Berkeley, CA*

- Assisted 40 students during weekly Python lab sections and presented mini-lectures on recursion, OOP, SQL, etc.
- Facilitated weekly problem set sessions and office hours about introductory Python course material for 15 students

**Berkeley Institute of Electrical and Electronics Engineers**

**October 2022 - December 2022**

*Project Developer*

*Berkeley, CA*

- Learned Express, MongoDB, and Postman to create and test a web application based forum for Berkeley students

**Stuyvesant Girls Who Code**

**September 2019 - June 2022**

*President*

*New York, NY*

- Managed a leadership board of 17 people and taught 40+ young women about web development, Python, and cybersecurity by creating lessons, developing a curriculum, facilitating project work, and organizing career panels

## PROJECTS

**Journalify**

- Built a web app at Cal Hacks hackathon and trained a Cohere NLP model to classify emotions of journal entries
- Used Flask, Jinja, and SQL to create a digital journal that associates emotion of entries with Spotify's API's songs

**Personal Library**

- Used APIs, SQL, Flask, and Bootstrap in a web app that can search for details and store data about books/movies

**Space Invaders**

- Used skills in Java and object-oriented programming to rebuild a GUI in Processing for the game Space Invaders

## SKILLS & LANGUAGES

**Programming Languages:** Python, Java, SQL, HTML, CSS

**Technologies:** Git, Flask, Jinja, VSCode, IntelliJ, Azure, Eclipse