# 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

Relevant Coursework: Data Structures and Algorithms, Structure and Interpretation of Computer Programs

#### **WORK EXPERIENCE & FELLOWSHIPS**

#### MullenLowe Group

June 2023 - August 2023

Information Technology Intern

New York, NY

- Used Java and SQL to pull data from Vantage through APIs, write them into databases, and display data on Logi Analytics web apps that organize reports for users to identify rates and budgets of advertising services for clients
- Managed a ticketing system for a team of 10 to progress the phases of Scrum for developing technical changes
- Wrote testing documentation for HR APIs and requirements documentation for a standardized request form

**Academic Atlas** *Software Engineer Intern* 

June 2023 - August 2023

• Scraped data from web pages to create CSV files that organized information of 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

Remote

- Built a portfolio using Flask/Jinja and automated testing and deployment workflows with bash scripting and CI/CD
- Completed a curriculum-based learning covering site reliability infrastructure and production engineering

## **UC Berkeley Electrical Engineering & Computer Sciences**

**January 2023 - April 2023** 

CS 61A Academic Intern

Berkeley, CA

Assisted 40 students during weekly Python lab sections and presented mini-lectures on recursion, OOP, SQL, etc.

# **Stuyvesant Google Mentorship Program**

March 2022 - June 2022

Project Developer

New York, NY

- Worked with a SWE at Google to develop a program that identifies bad posture using data from users' webcams
- Used TensorFlow Posenet Model, TensorFlow Hub, OpenCV, and cosine similarity to compare ideal/bad postures

#### LEADERSHIP EXPERIENCE & ACTIVITIES

### **Computer Science Mentors**

February 2023 - Present

Junior Mentor

Berkeley, CA

• Facilitated weekly problem set sessions and office hours about introductory Python course material for 20 students

#### **Berkeley Institute of Electrical and Electronics Engineers**

October 2022 - December 2022

Project Developer
Used 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 50+ young women about web development, Python, and cybersecurity by creating lessons, developing a curriculum, facilitating project work, and organizing careers panels

#### **PROJECTS**

#### **Journalify**

- Built a web app at Cal Hacks hackathon and trained a Co:here NLP model to determine emotions of entries **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 the game Space Invaders with a GUI in Processing

#### **SKILLS & LANGUAGES**

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

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