

# RABIEA RAJA

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## EDUCATION

**University of California, Berkeley**

**Graduation:** May 2022

**GPA:** 3.64/4.0

**B.A.** - Cognitive Science,

**Emphasis:** Computer Science and  
Artificial Intelligence

**Extracurriculars:** Computer  
Science Scholars, Association of  
Women in EE/CS, Cal Muslim  
Student Association,  
Undergraduate Research

## SKILLS

Python, Java, HTML/CSS, SQL, JavaScript, Scheme, R, Git,  
Pandas, ReactJS, Regex, Figma, Jupyter Notebook, Office  
Suite, Figma, Google Suite, Adobe Illustrator

## COURSEWORK

Data Structures, Algorithms, Structure of Computer Programs,  
Artificial Intelligence, Discrete Mathematics, Foundations of  
Data Science, Machine Learning, Product Management, UI  
Design and Development, Designing Information Devices and  
Systems, Computational Models of Cognition.

## EXPERIENCE

**AI/ML RESEARCHER at UC Berkeley College of Engineering**

*Internship | June 2021 - October 2021*

- Applied Machine Learning techniques to early-stage projects in behavioral operations management to learn customers' preferences and offer personalized recommendations based on their previous internet history using Python and Lisp.
- Studied customer responses to machine-generated advice, researched how AI should be designed effectively to optimize and improve user compliance whilst taking into account individual consumer behavior and their security.
- Developed the basis of our internal platform on UX research for the departments future ventures.

**COMPUTER SCIENCE TUTOR at Computer Science Mentors**

*Part Time | January 2022 - May 2022*

- Leading bi-weekly group tutoring sections for 15+ students enrolled in the Structure and Interpretation of Computer Programs (CS61A) course at UC Berkeley.
- Annotating over 14 weeks of instructional content regarding data structures, coding projects, and algorithms in Python, SQL, and Scheme.
- Provided guidance, debugging recommendations, and clarified concepts related to coding labs, test preparation, and projects.
- Actively attending and participating in teaching workshops, weekly meetings with other mentors, and shadowing other sections throughout the semester to facilitate and improve teaching.

**DESIGN LEAD at Cognitive Science Student Association**

*Freelance | August 2020 - May 2022*

- Designed and marketed visual, informative, and marketing material throughout the year using Figma.
- Spearheaded our design team of 15 CSSA members to curate content for year-round events.
- Oversaw club relations with the Cognitive Science department and collaborated with on-campus groups to facilitate growth and recruit members through on-campus tabling and hosting informational sessions.
- Collaborated with the external relations committee to coordinate, plan, and execute our annual California Cognitive Science Conference.

**RESEARCHER at Stanford Health Care**

*Internship | May 2018 - March 2020*

- Studied Vision Correcting Displays within the Oncology department by using computational display technology which pre-distorts presented content for patients through hardware and software so that target images are perceived without eye wear.
- Improved computer vision algorithms and eye tracking devices using Haar Cascades, analysis, and 3D modeling graphs