

# Rabiea Raja

[rabiearaja39@gmail.com](mailto:rabiearaja39@gmail.com) • [rpr3900.github.io/rriajaportfolio/](https://rpr3900.github.io/rriajaportfolio/) • [linkedin.com/in/rabiearaja/](https://www.linkedin.com/in/rabiearaja/) • [github.com/rpr3900](https://github.com/rpr3900)

## EDUCATION

---

**University of California, Berkeley | Berkeley, CA**

Graduation May 2022

*B.A. - Cognitive Science, Emphasis in Computer Science & Artificial Intelligence*

**Coursework:** Data Analytics, Algorithms, Structure of Computer Programs, Artificial Intelligence, Project Management, Discrete Mathematics, Foundations of Data Science, Machine Learning, Product Management, User Experience Research Methods, UI Design and Development, Designing Information Devices and Systems, Business Economics

## SKILLS & TECHNICAL TOOLS

---

**Languages:** Python, Java, HTML/CSS, SQL, JavaScript, Scheme, R

**Technologies:** Git, Pandas, ReactJS, Regex, Figma, Jupyter Notebook, Microsoft Office, Google Suite, Adobe Illustrator

## EXPERIENCE

---

**QA Engineer/Analyst | Kiwibot @ UC Berkeley College of Engineering**

*June 2021 - Present*

- Implement clean and concise reporting method for analyzing the results of Kiwibots pickup time, delivery time and the entire trip performance.
- Performed end-to-end testing on Kiwibots real-life scenarios in the lab in order to optimize future performances on campus.
- Compiled and logged weekly results into a testing database and managed the life cycle of the hundreds of bugs.
- Led and onboarded a team of 5 QA engineers, where I drove all manual QA testing efforts
- Using data analytics, Agile methodologies (specifically Scrum/Kanban) and conducting A/B feature testing to obtain real-user feedback to ultimately be the internal advocate for our consumers.

**Computer Science Tutor | Computer Science Mentors**

*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 debugging recommendations and clarified concepts relating to coding labs, test prep, and projects.

**Design Lead | Cognitive Science Student Association**

*Aug 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.
- Collaborated with the external relations committee to coordinate, plan and execute our annual California Cognitive Science Conference.

**Researcher | Stanford Health Care**

*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.
- Develop a new hardware being built for ophthalmic patients with eye illnesses through Agile/Scrum methodologies.

## PROJECTS

---

**Bear Maps | Java**

- A Google Maps inspired clone of the UC Berkeley campus. This was created using Java and I implemented A\* algorithms to find the shortest route between two points and KD-Trees to find the nearest destination point to the position clicked by the user.

**Gitlet | Java**

- A version-controlled system which mimics the basic features of the popular system Git. Written in Java, some of Gitlets functions include: saving contents of file directories, restoring versions of one or more files/entire commits, and viewing the history of your backups.