

AYESHA Z. OMARALI

linkedin: in/ayesha-omarali • twitter: @ayeshazarah_ • github: ayesha-omarali • ayesha.omarali@gmail.com • (925) 732 - 8254

EDUCATION:

University of California—Berkeley, Computer Science & Data Science, Math Minor

May 2020

- Programming Coursework: Algorithms & Data Structures, Algorithms, Artificial Intelligence, Computer Architecture

PROFESSIONAL EXPERIENCE:

Build and Delivery Intern, Disney

May 2019—Aug 2019

Software Engineering Intern, Sentry.io

May 2018—Dec 2018

- Co-owned leading feature to Sentry's next release: "Discover" a query interface for Sentry's error tracking data.
- Responsible for React front-end, building paginator, data transformation/data viz, & other features/fixes (on GitHub).
- Wrote and maintained test coverage >90%.
- Worked closely with design to contribute multiple user interface improvements and bug fixes across Sentry's app.

Software Engineering Intern, Counsyl

Aug 2017—Feb 2018

- Created dataset for genomic curation criteria by parsing over 1.2 million free-text, unstructured notes using grammar rules/regular expressions and Pandas.DataFrame for statistical analysis via data transformation & cleaning (Python).
- Built admins to directly add to database with django data & schema migrations, improved Django models for handling data during genetic curation project, and more tickets while contributing to SWE cycle.

Software Engineering Intern, Pillow Homes

May 2017—Aug 2017

- Owned full stack dashboard, while developing library of over 40 reusable React components and shared containers.
- Established multiple views depending on access control list/authentication by leveraging React/Redux and Rails
- Introduced new Rails models for manager types, pagination of activities with filtering/sorting, guest/account management, and scheduling.
- Revamp the onboarding experience with new design specs and conducting UX testing.

Contract Software Engineer, X2AI

Jan 2016—Dec 2016

- As the third engineer, I owned and engineered the question-recognition & question-answer mapping algorithm, improving question recognition up by 66% -- initially an average of 20%
- Utilized RegEx, chunking, and tokenizing tools to write custom conversational grammar rules
- Engineered named entity recognition program with Wikipedia article lookup, utilizing the part-of-speech tagger I built
 - increased conversation retention by 30%

SIDE PROJECTS & CONTRIBUTIONS:

Google CodeU Participant

Mar 2017—June 2017

- Built a single-page instant messaging web app, backend Java and frontend React JS, with Google authentication.

Lab Assistant & Tutor, UC Berkeley EECS Department

June 2015—May 2017

- Held weekly private tutoring in lower division Computer Science classes & teach weekly discussion sections and labs

SKILLS:

- **Strong:** Python, JavaScript/ES6, React/Redux, Java, Git, Natural Language Processing
- **Experienced:** Ruby, Rails, Django Templates/Models, SQL, PostgreSQL, Docker, Vagrant, Redis, AWS (EC2), CSS (Sass)