Mary (Rui Li) Xu

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Education

University of California, Berkeley *Fall 2017 - Spring 2021*

B.A. IN COMPUTER SCIENCE *GPA: 3.78*

- **In Progress:** CS 170 (Algorithms), CS 61C (Machine Structures), CS C8 (Foundations of Data Science), CS 370 (Intro to Teaching Computer Science)
- **Completed Coursework:** CS 61A (Structure and Interpretation of Computer Programs), CS 61B (Data Structures), CS 70 (Discrete Mathematics and Probability Theory), EE 16A/B (Designing Devices and Information Systems)

Experience

Facebook *Seattle, WA*

ANDROID DEVELOPMENT ENGINEER INTERN *Jun. 2018 - Aug. 2018*

- Designed and developed Blind8, a conversation-first dating app, in a team of 3.
- Learned and worked with the native Android platform to implement instant messaging with Parse live-query, push notifications with Firebase Cloud Messaging, as well as the main profile, conversation list, and chat screens.
- Designed application branding using Sketch, created wireframes on Figma, and optimized UI/UX for a mobile-first experience.
- Chosen among 60 teams to present project to Mark Zuckerberg.

Berkeley Codebase *Berkeley, CA*

SOFTWARE DEVELOPER *Sept. 2017 - Present*

- Work in teams of 7-8 on semesterly technical consulting projects for high-growth start-ups in the Bay Area.
- Spring 2018: developed a data visualization and administration web application for Beam, an SF-based online banking startup. (Tools: React, Typescript, AWS Cognito, GraphQL)
- Fall 2017: created an internal club application management portal for our organization. (Tools: Django, JavaScript, JQuery)

UC Berkeley CS 61A *Berkeley, CA*

ACADEMIC INTERN *Jan. 2018 - May. 2018*

- Assisted in weekly labs and office hours of 30+ students for the introductory computer science course.
- Provided individual help to students on course topics and checked in with them on their understanding of the material.

Projects

Parsetagram *Seattle, WA*

GITHUB: HTTPS://GITHUB.COM/RLXU/PARSETAGRAM *Jul. 2018*

- Implemented a photo-sharing Android application using Parse as the backend.
- Includes screens and features such as user login/sign-up, bottom navigation bar with fragments, swipe-refresh RecyclerView layouts, and image compression.

Girls in STEM Club Website *Fremont, CA*

LINK: WWW.IRVINGTON.ORG/GIRLSINSTEM *Jun. 2017 - Jul. 2017*

- Designed and launched a club information website for a high school organization I was the president of.
- Utilized HTML, CSS, JavaScript and PHP.

Bluetooth RC Drone Car *Fremont, CA*

INSTRUCTABLE: WWW.INSTRUCTABLES.COM/ID/BLUETOOTH-RC-DRONE-CAR/ *Feb. 2017 - May. 2017*

- Designed and constructed an electric toy car with photo/video capabilities controlled by an Android application and powered by Arduino Nano.
- Displayed at Bay Area Maker Faire 2017 with the Berbawy Makers.

Skills

PROGRAMMING LANGUAGES

- Java, Python, SQL, HTML, CSS, JavaScript/JQuery, Scheme (Lisp)

FRAMEWORKS AND INDUSTRY TOOLS

- Android, React, Django, Git, Arduino, UNIX/Linux shell, wire-framing, CAD, graphic design (eg. Illustrator, Sketch)

LANGUAGES

- English (native), Mandarin Chinese (native), Spanish (6 years)