

# Shirley Xiao

📍 Berkeley, CA | ✉ stxiao@berkeley.edu | 📞 +1 (310) 218-8873 | in s-xiao | 🌐 shirleytxiao.github.io

## EDUCATION

### University of California, Berkeley

Berkeley, CA

*Candidate for Bachelor of Arts in Computer Science*

*August 2019 – May 2023*

- **Highlighted coursework:** The Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Data Structures and Algorithms, Linear Algebra and Differential Equations, Discrete Mathematics and Probability Theory, Efficient Algorithms and Intractable Problems, Great Ideas in Computer Architecture (Machine Structures)

## WORK EXPERIENCE

### UrsaTech

Berkeley, CA

*Project Developer*

*September 2020 – Present*

- Collaborating with the Associated Students of the University of California (Senator Shah's Tech Accessibility Department) to compile and analyze data of current statistics of students majoring in engineering/STEM.

### Ascend — Premier Accounting and Finance Organization

Berkeley, CA

*Technology Committee Officer*

*September 2020 – Present*

- Conducting analysis on integration of technology in financial services companies to facilitate committee- and club-wide internal trainings.
- Preparing to co-host technology speaker forum with professionals for anticipated 60+ students. Recruiting and gathering interview questions for panelists who specialize in the tech/finance industry.

### BARE Magazine

Berkeley, CA

*Web Designer*

*September 2020 – Present*

- Redesigning the magazine website with a better user experience. Process includes auditing previous versions of web app, creating a sitemap, outlining user journeys, testing the prototype, and usability tests.
- Monitoring traffic flow with Google Analytics and reorganizing site structure to increase efficiency and load times.

### FEMTech

Berkeley, CA

*Web Intern*

*September 2020 – Present*

- Restructuring website by translating concepts into user flows, wireframes, and mockups for a more intuitive user experience.
- Implementing new features to site through strategic planning, after prototyping and user-testing.
- Collaborating with marketing team to maximize publicity and outreach in content on website and social media platforms, resulting in 100+ increase in Instagram (@femtechberkeley) follower count.

### IEEE — UC Berkeley Institute of Electrical and Electronics Engineers

Berkeley, CA

*Marketing Officer*

*September 2020 – Present*

- Managing social media platforms to promote club events and outreach to STEM individuals/organizations for partnerships.
- Implemented new recruitment section to weekly newsletter resulting in 40% increase in e-mail open and click rate.
- Designing engineering and computer science course stickers and apparel using Adobe Illustrator and Adobe Photoshop, presenting final designs to professors and course staff.

### Herff Jones

Long Beach, CA

*Program Mentor*

*July 2019 – August 2019*

- Directed courses in graphic design and copywriting at Yearbooks@theBeach (held at California State University, Long Beach), an intensive journalism and design conference with 400+ attendees.
- Organize skill-building and networking opportunities for 30+ middle, high school, and university yearbook staffs. Provide guidance and critiques on their designs to help them meet their visual and storytelling needs.

## PROJECTS

**Discord Bot (October 2020):** Designing a Discord bot to facilitate pair/group matchings and Zoom meeting scheduling based on members' common interests and available times, according to user input on the UC Berkeley Ascend Discord server.

**Gitlet (April 2020; CS 61B):** A version-control system for local directories based on the basic features of Git, with command features such as merge, checkout, commits.

**Enigma (March 2020; CS 61B):** A program emulating the German Enigma machines of WWII to encrypt military communications by configuring permutations and ciphers. Focused on data structures and object-based programming in Java.

**Scheme (November 2019; CS 61A):** An interpreter for the Scheme programming language using Python. Focused on iteration and recursion, and utilized lexical and syntactic analysis as well as input parsing.

## SKILLS

**Languages:** Python, Java, JavaScript, C, HTML5, CSS3

**Technologies:** ReactJS, NodeJS, Adobe Illustrator, InDesign, Photoshop