

FRANCESCA SONG

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education

University of California, Berkeley

Expected Graduation Spring 2022

B.S. Electrical Engineering and Computer Sciences

Minor in Music

SCET: Certification in Entrepreneurship and Technology

Coursework

Data Structures, Computer Architecture, Security, Discrete Mathematics & Probability, Databases, Information Devices & Systems, Operating Systems (Fall 2020), Artificial Intelligence (Fall 2020)

experience

Berkeley CodeBase

Project Manager

Spring 2019 - Present

- Sourcing client projects and creating on-boarding materials for developers
- Managed a project using React and Golang to perform analysis on OPA policy logs for Atlassian
- Developed backend service that recommends social connections and enables invites using Typescript and GraphQL for e-commerce startup Storr
- Designed and built a judging portal using React and PostgreSQL for CalHacks (hackathon) at UC Berkeley

The Berkeley Forum

Technology Committee Project Manager, Webiste Team

Spring 2020 - Present

- Identified and addressed existing issues with the website and additionally implemented accessibility features
- Developing an internal tool for automating shift assignments among members attending a particular event
- Compiled and edited recordings for the Forum's podcast as a part of the multimedia team
- Monitor backstage equipment as well as sound and light systems during the speakings hosted by the Forum

Computer Science Mentors

Junior Mentor for EE16a

Fall 2020 - Present

- Provide mentoring for students in large lower-division courses in computer science or electrical engineering
- Lead a weekly section with 5 students and develop content as well as teaching skills with senior mentors

Girls Who Code Disney

Teaching Assistant

Summer 2018

- Taught 20 girls computer science fundamentals such as basic data structures and algorithms
- Prepared and led lectures on Python and Arduino C, individually assisting students who needed extra help
- Managed classroom logistics and communication with the Disney team as an alumni teaching assistant

Authentic

Production Intern

Summer 2017

- Launched a podcast series 'Disrupted', recording and editing several pilot episodes using Audacity
- Conducted market research and computed in-episode analytics on existing podcasts on Libsyn and Apple Podcasts to strategically plan during the pre-production stage

skillsets

Programming

Java, Python, C, Go, HTML/CSS, Typescript, Javascript, SQL, GraphQL

Frameworks/Tools

React.js, Express.js, Git, Figma, LaTeX, Jira, Confluence, Bitbucket, AWS S3