Francesca Song

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https://francescajs.github.io/ │ github.com/francescajs

Education

University of California, Berkeley   Winter 2021

B.S. Electrical Engineering and Computer Sciences, Minor in Music

Relevant Coursework: Data Structures, Computer Architecture, Information Devices & Systems, Discrete Mathematics/Probability

Experience

CodeBase Berkeley   Spring 2019 - Present

Student organization that develops quality software solutions for high-growth start-ups in the Bay Area

OCTO – Backend Developer   Fall 2019

- Collaborating with the student government to build an authenticated off-campus housing portal
- Designing RDBMS on Postgres where logged in users will be able to post and view filtered listings
- Tech Stack: Node.js, PostgreSQL, React.js

Storr – Backend Developer   Fall 2019

- Working with a startup that creates a peer-to-peer retail marketplace of stores launched by users
- Creating a standalone backend service to recommend social connections and enable invites based on the user's contact information and Facebook data
- Tech Stack: Node.js + Express, GraphQL, React Native, Typescript

Hack the Bay – Software Developer   Spring 2019

- Worked with Hack the Bay (Cal Hacks) in developing their hackathon judging portal to streamline and automate the judging process
- Developed an organizer- and judge-facing interfaces as well as a database for collecting and sorting the CSV's of participants from DevPost and storing the scores of the projects
- Tech Stack: React.js, Node.js + Express, PostgreSQL, CSS

CS Mentors – Mentor for EE16A   Fall 2019 - Present

- CSM provides a tiered system of mentoring designed to be a resource for students in large classes
- Lead a weekly section of 5 students, develop content and attend meetings for mentor development

Girls Who Code Disney– Teaching Assistant   Summer 2018

- Returned to the GWC Summer Immersion Program as an alumni teaching assistant
- Managed classroom logistics and communication with the Disney team, and lead several lectures on Python and Arduino C

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

Skills

Programming Languages:	Java, Python, HTML/CSS, Typescript, Javascript, SQL, GraphQL
Frameworks/Libraries/Tools:	React.js , Express.js, Git, Figma, LaTeX