Rachel Li

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💻 github.com/rachelli429

EXPERIENCE

Fidelity Investments, Software Engineering Intern
JUN - JUL 2020 | Durham, NC (remote)

- Designed and developed the Angular UI from scratch for an internal Health Savings Account operational support/search tool
- Added UI features to an internal management tool for Fidelity Health Benefits, connected to internal Fidelity APIs
- Healthcare Technology group

NASA Goddard Space Flight Center, Intern
JUN - AUG 2019 | Greenbelt, MD

- Developed a pipeline for downloading, storing, and processing Twitter data related to precipitation
- Stored raw Twitter data in MongoDB, mapped processed Tweets onto a uniform time-space grid using the Python package Zarr
- Presented research at the American Geophysical Union Fall Meeting in December 2019

Student Association for Applied Statistics, Web Development Committee Director
MAY 2019 - MAY 2020 | Berkeley, CA

- Co-led a team of 8 undergraduates (fall: 11, spring: 8) in developing and maintaining the SAAS website using HTML, CSS, and Django
- Created and taught workshops on web development topics
- Oversaw the completion of 6 projects (fall: 4, spring: 2) by the committee, including 2 website redesigns

PROJECTS

SAAS Merch Shop, Student Association for Applied Statistics (SAAS)
JAN 2020 - MAY 2020 | Berkeley, CA

- Designed and developed an e-commerce web app to sell club merch (shirts, stickers) that allows authentication
- The app includes admin pages to display inventory and all user orders + user pages to display the user's past orders
- Technologies used: HTML, CSS, JavaScript, React, Firebase

walk:now, hack:now hackathon
APR 2020 | virtual

- https://devpost.com/software/walk-now
- Designed and developed an iOS app that reads in the number of steps you have taken today in real life from your Apple Health app and allows you to take the corresponding number of steps in Google Street View mode
- Technologies used: Swift, XCode, Google Maps API, Apple Healthkit

EDUCATION

UC Berkeley
B.A. Computer Science, Certificate in Design Innovation | 4.0 GPA
MAY 2022 | Berkeley, CA

Relevant Coursework
- DesInv 15: Design Methodology (Fall 2020)
- CS 170: Efficient Algorithms & Intractable Problems (Fall 2020)
- CS 61C: Machine Structures (Fall 2020)
- CS 61B: Data Structures
- CS 61A: The Structure & Interpretation of Computer Programs
- CS 70: Discrete Mathematics & Probability Theory
- Web Design DeCal

SKILLS

Programming Languages
Python, Java, HTML/CSS, JavaScript, SQL

Tools
Git, React, Angular, TypeScript, Django, Firebase, MongoDB

Design
Figma, Adobe XD, Adobe InDesign

Foreign Languages
Mandarin Chinese (fluent), French (proficient)

AWARDS

Rewriting the Code Fellow
AUG 2019 - PRESENT

National Merit $2500 Scholarship Recipient
APR 2018