A N N I E   T A N G

annietang@berkeley.edu linkedin.com/in/anniewtang
anniewtang.github.io github.com/anniewtang

Education

B.A. Computer Science | Expected Graduation: May 2020, GPA: 3.7/4.0
Relevant Coursework | Algorithms, AI, Data Structures, Machine Structures, Operating Systems, Probability Theory, Data Science
Technologies | Python, Java, C, Swift, Numpy, SQL, HTML/CSS, Pandas, Adobe Creative Cloud (PS/Ai), Assembly (RISC-V)

Work Experience

SALESFORCE | Software Engineering Intern
Backend • Java, Node.js, IntelliJ • Summer 2018

- Tested new cookie attribute (SameSite) to protect session ID cookie from CSRF exploitation for Salesforce's core application.
- Wrote a Node.js webapp to demonstrate the behavior of cookies with the SameSite attribute for Google Chrome users.

GOOGLE CODEU | tinyurl.com/yelp-but-for-dishes
Full Stack • Java, HTML/CSS, Google App Engine • Summer 2018

- Worked in a team of three as a project architect and developer to implement a Yelp-but-for-dishes webapp.
- Developed reviews/tagging related features (i.e. tagging for search queries, persistent data storage, etc.) under MVC principles.

UC BERKELEY EECS DEPARTMENT | Teaching Assistant, SICP (CS 61A) & Data Structures (CS 61B)
Python, Java • Fall 2018 – Present

- Lectured twice a week on course material to 60+ students in interactive discussion sections with problem-based worksheets.
- Wrote and edited the Data Structures (CS61B) online textbook on topics such as asymptotic analysis, inheritance, etc.

Projects

WEB FILE SCRAPER | tinyurl.com/scrape-files
Backend • Python, BeautifulSoup • Spring 2018

- Created a web-scraping script to quickly download files from a website with in-file documentation for ease of reusability.
- Currently offers interactive and simple command-line features (i.e. letting user choose mode of download)

MUSIC SHARING IOS APP | tinyurl.com/streamline-ios
Frontend, UI/UX Developer • Xcode, Swift 3 • Fall 2017

- Worked in team of 4 to develop a Spotify API-based music discovery app, which was pushed to the app store in Nov 2017.
- Conducted user research and interviews to iteratively improve the UI/UX of the app as part of the product design cycle.
- Integrated Google's Firebase API to utilize Firebase's user Authentication, Storage, and Database features.

BEARWALKS | tinyurl.com/bearwalks
Frontend, UI Designer • Adobe Photoshop, Illustrator, and Experience XD • Spring 2017

- Designed an interactive mobile app prototype to improve student safety using UX research (i.e. market analysis, scenario mapping).
- Awarded "Best Prototype" by Berkeley Innovation and presented work at the Berkeley Innovation annual creator showcase.

RELATIONAL DATABASE MANAGEMENT SYSTEM | (private repo)
Backend • Java, IntelliJ • Spring 2017

- Independently designed the API and backend database structure.
- Implemented data retrieval for a SQL-like user query: i.e. joining tables, filtering rows, and computation for differing data types.

Activities

SENIOR MENTOR • Computer Science Mentors • Spring 2018 – Present

- Mentored a group of 5-6 Junior Mentors weekly by discussing pedagogy tips and the technical content for each week's material.
- Taught a group of 4-5 CS61A/CS61B students with the use of mini-lectures and problem-based worksheets.

INDUSTRIAL RELATIONS OFFICER • Association of Women in EECS (AWE) • Spring 2018 – Present

- Coordinated with tech companies for sponsorship opportunities and on-campus events (i.e. tech talks, infosessions).
- Booked rooms, coordinated scheduling with the EECS department, reached out to companies for partnership opportunities, etc.