

# ANNIE TANG

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## EDUCATION

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**B.A. Computer Science** | UC Berkeley Class of 2020 • UPE (CS Honors Society) • 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

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**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** | Project Architect | [tinyurl.com/yelp-but-for-dishes](https://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** | TA for Programming Fundamentals (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.
- Created custom course content to aid in student learning (i.e. extra practice questions, video walkthroughs, conceptual guides, etc.)
- Wrote and edited the Data Structures (CS61B) online textbook on topics such as asymptotic analysis, inheritance, etc.

## PROJECTS

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**WEB FILE SCRAPER** | [tinyurl.com/scrape-files](https://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](https://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](https://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

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**COMPUTER SCIENCE MENTORS** | Senior Mentor • Fall 2017 – Present

- Mentored a group of 5-6 Junior Mentors weekly by discussing pedagogy tips and the technical content for each week's material.
- Taught groups of 4-5 CS 61A and CS 61B students with the use of mini-lectures and problem-based worksheets.

**ASSOCIATION OF WOMEN IN EECS (AWE)** | Industry Relations Officer • Fall 2016 – 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.