

# ANNIE TANG

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## Education

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**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

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**SALESFORCE** | Software Engineering Intern

Backend • Java, IntelliJ • Summer 2018

- Testing the new cookie attribute (SameSite) for Salesforce's Core application for Chrome browsers to secure user session IDs as part of the Product Defense team.

**GOOGLE CODEU** | [tinyurl.com/yelp-but-for-dishes](https://tinyurl.com/yelp-but-for-dishes)

Full Stack • Java, HTML/CSS • Summer 2018

- Working in a team of three as a developer and project architect to implement a Yelp-but-for-dishes webapp.
- Utilizing Yelp Academic Dataset to develop various Reviews-related features (i.e. query tagging, persistent data storage, etc.)

**UC BERKELEY EECS DEPARTMENT** | Teaching Assistant, SICP (CS 61A) & Data Structures (CS 61B)

Python, Java • Fall 2018 – Present

- Lecturing twice a week on course material to 60+ students in interactive discussion sections with problem-based worksheets.
- Writing and editing 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 Creative Cloud • 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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**SENIOR MENTOR** • Computer Science Mentors • Spring 2018 – Present

- Mentoring a group of 5-6 Junior Mentors weekly by discussing pedagogy tips and the technical content for each week's material.
- Teaching 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

- Coordinating with tech companies for sponsorship opportunities and on-campus events (i.e. tech talks, infosessions, etc.)
- Booked rooms, coordinated scheduling with the EECS department, ordering food, etc.)