UC BERKELEY, CLASS OF 2020

# ANNIE TANG

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## Education

**B.A. Computer Science** | GPA: 3.7
**Relevant Coursework** | Data Structures (CS61B), Machine Structures (CS61C), Data Science (DS100), Algorithms (CS170), AI (CS188)
**Technologies** | Python, Java, C, Swift, Numpy, SQL, HTML/CSS, Assembly (RISC-V), Pandas

## Work Experience

**DATA STRUCTURE (CS61B) TEACHING ASSISTANT** • UC Berkeley, EECS • Spring 2018 – Present

- Creating new content weekly to help students gain a deep understanding for essential Data Structures and Algorithms.
- Lecturing 2x a week on course material to 60+ students in interactive discussion sections, with problem-based worksheets (2 hrs).
- Writing and editing the CS61B online textbook, with a team of 5 course staff members.

**FINANCIAL INTERNSHIP** • Infinera • Summer 2016

- Programmed two Excel Macros to automate data extraction and formatting processes.
- Transformed a two-day procedure into a 30-minutes task for the Finance Department.

## Projects

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

- Worked in a team of 4 as primarily the UI/UX developer a Spotify API-based music discovery app.
- Conducted user research and interviews to iteratively improve the UI/UX of the app, as part of the product design cycle.
- Programmatically implemented all UI, and made UI responsive for all iPhone sizes/screens.
- Integrated Google's Firebase API for User Authentication, Storage, and Database.
- Launched Streamline in the app store in November 2017.

**PERSONAL WEBSITE |** tinyurl.com/anniewtang-website
Full stack • HTML, CSS, JS • Summer 2017.

- Self-taught HTML/CSS and Javascript to develop my current personal website.
- Designed and coded current website layout from scratch, and (as a challenge for myself) without the use of frameworks.

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

- Independently designed the API & backend database structure to create a relational database management system.
- Implemented functionalities for SQL-like user query data retrieval, such as: merging tables, filtering rows, flexible computation for differing data types, and loading/printing/creating data tables.

**BEARWALKS |** tinyurl.com/bearwalks
Frontend, UI Designer • Adobe Creative Cloud • Spring 2017.

- Designed a high-fidelity mobile app prototype after conducting extensive UX research (market analysis, scenario mapping, user interviews etc.) to improve student safety on the UC Berkeley campus.
- Awarded "Best Prototype" by Berkeley Innovation and presented work at the Berkeley Innovation annual creator showcase.

## Activities

**CS61A SENIOR MENTOR** • Computer Science Mentors • Spring 2018 – Present

- Mentoring a group of 5-6 Junior Mentors weekly by discussing pedagogy tips + the technical content for each week's material.
- Shadowing my Junior Mentors' sections twice a semester to provide constructive teaching feedback.
- Mentoring a group of 4-5 CS61A students, through 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.)
- Handling event logistics (i.e. booking rooms, scheduling with EECS department, ordering food, etc.)