

## Education

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**B.A. Computer Science** | Class of 2020

**Relevant Coursework** | Algorithms (CS170), AI (CS188), Data Structures (CS61B), Machine Structures (CS61C), Data Science (DS100)

**Technologies** | Python, Java, C, Swift, Numpy, SQL, HTML/CSS, Assembly (RISC-V), Pandas

## Work Experience

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**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 on topics such as asymptotic analysis, inheritance, etc.

**FINANCIAL INTERNSHIP** • Infinera • Summer 2016

- Programmed two Excel Macros to automate data extraction and formatting processes; turned a 2-day process into a 30-min task

## Projects

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

Backend • Python • 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, simple command-line features (lets user choose mode of download, etc.)

**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 as UI/UX developer 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 for User Authentication, Storage, and Database.

**PERSONAL WEBSITE** | [tinyurl.com/anniewtang-website](https://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](https://tinyurl.com/bearwalks)

Frontend, UI Designer • Adobe Creative Cloud • Spring 2017.

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

## Activities

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**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.
- 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.)