ANNIE TANG

anniewtang.github.io

EXPERIENCE

UC BERKELEY — **CS61A UNDERGRADUATE STUDENT INSTRUCTOR**

EECS DEPT.
Fall 2017 – present

Teaching a group of 35+ students in problem-based discussion and hands-on lab sections weekly.
Provides mini-lectures and conceptual support for students during office hours.
Working to improve course infrastructure (i.e. autograding software).

UC BERKELEY — **CS61A COURSE TUTOR**

EECS DEPT.
Summer 2017

Held section for 3 groups of students twice a week, and provided one-on-one conceptual tutoring.
Strengthened students' Python, Scheme, and SQL foundations.
Guest lectured SQL Aggregation and Python fundamentals.

PROJECTS

JAVA — **BEARMAPS**

BACKEND
Spring 2017

Created an interactive, fully-functioning maps/locationing web server.
Implemented shortest path algorithms (A*) to allow for efficient routing feedback, and Trie trees for name-search auto completion capabilities.
Read in data from Open Street Map datasets to construct the graph database.

JAVA — **RELATIONAL DATABASE MANAGEMENT SYSTEM**

BACKEND
Spring 2017

Created a database structure for a SQL-like, declarative language.
Supported database queries with parsed in table files, such as: natural inner joins, filtering clauses, and arithmetic/special value (ex. NaN, NOVALUE) computations.

INVOLVEMENTS

UC BERKELEY — **DIRECTOR OF ENGINEERING, office of adnan hemani**

STUDENT GOV'T
Fall 2017 – present

Serving as a liaison between the associated student body, Engineering department, and the office of Adnan Hemani.
Leads and organize all teams and interns within the Engineering department.
Increasing engagement of the student body with departmental issues and affairs.

UC BERKELEY — **INDUSTRIAL RELATIONS**

CS KICKSTART
Spring 2017 – present

Reaching out to companies for partnership opportunities (i.e. panels, infosessions).
Organizing annual summer program for incoming, underrepresented Berkeley students who are interested in CS

EDUCATION

UC BERKELEY — **B.A. COMPUTER SCIENCE, CLASS OF 2020**

TECHNICAL GPA
3.67

Example of course work:
Data Structures & Algorithms (Sp17), Discrete Math & Probability Theory (Su17), Designing Information Devices & Systems (Sp17), Machine Structures (Fa17, current), Techniques of Data Science (Fa17, current)