ANNIE TANG

anniewtang.github.io
annietang@berkeley.edu / 510.579.6706
Fremont, CA 94539

EXPERIENCE

UC BERKELEY — **CS61A UNDERGRADUATE STUDENT INSTRUCTOR**

EECS DEPT.
Fall 2017 – present

* Teaching 35+ students twice a week in problem-based, hands-on discussion & lab.
* Provides mini-lectures and conceptual support for students during office hours.
* Working to improve course infrastructure/software (i.e. autograding software).

UC BERKELEY — **CS61A COURSE TUTOR**

EECS DEPT.
Summer 2017

* Taught six 1-hour sections every week & 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 (i.e. natural inner joins, filtering clauses, and arithmetic/NAN/NoValue computations) for parsed in text, table files.

INVOLVEMENTS

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

STUDENT GOV'T
Fall 2017 – present

* Acting as a liaison between the 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 week-long summer program for incoming, underrepresented Berkeley freshmen 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)

Languages: Python, Java, C, HTML/CSS, JavaScript