

ANNIE TANG

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EXPERIENCE

UC BERKELEY

EECS DEPT.
Fall 2017 – present

CS61A UNDERGRADUATE STUDENT INSTRUCTOR

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

UC BERKELEY

EECS DEPT.
Summer 2017

CS61A COURSE TUTOR

Taught 3 sections of students, and provided one-on-one conceptual tutoring.
Strengthened students' Python, Scheme, and SQL foundations.
Guest lectured SQL Aggregation and Python fundamentals.

PROJECTS

JAVA

BACKEND
Spring 2017

BEARMAPS

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

JAVA

BACKEND
Spring 2017

RELATIONAL DATABASE MANAGEMENT SYSTEM

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 or special value (ex. NaN, NOVALUE) computation and comparisons.

INVOLVEMENTS

UC BERKELEY

STUDENT GOV'T
Fall 2017

DIRECTOR OF ENGINEERING, office of adnan hemani

Serves as a liaison between the student body, department, and adnan's office.
Leads and organize all teams and interns within the Engineering department.
Execute projects to increase the engagement of the student body with departmental issues and affairs.

EDUCATION

UC BERKELEY

TECHNICAL GPA
3.67

B.A. COMPUTER SCIENCE, CLASS OF 2020

CS61A | Structure and Interpretation of Computer Programs (Fa16)
CS61B | Data Structures & Algorithms (Sp17)
CS70 | Discrete Math & Probability Theory (Su17)
EE16A | Designing Information Devices & Systems (Sp17)
CS61C | Machine Structures (Fa17, current)
STAT100 | Techniques of Data Science (Fa17, current)