ANNIF TANG

anniewtang.github.io

EXPERIENCE

UC BERKELEY

CS61A UNDERGRADUATE STUDENT INSTRUCTOR

EECS DEPT. Fall 2017 – present 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

CS61A COURSE TUTOR

EECS DEPT. Summer 2017 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

BEARMAPS

BACKEND Spring 2017 Created an interactive, fully-functioning maps/locationing web server.

Implemented shortest path algorithms (A^*) to allow for effcient routing feedback,

as well as Trie trees for name-search autocompletion 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 or special value (ex. NaN, NOVALUE) computation

and comparisons.

INVOLVEMENTS

UC BERKELEY

DIRECTOR OF ENGINEERING, office of adnan hemani

STUDENT GOV'T Fall 2017 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

B.A. COMPUTER SCIENCE, CLASS OF 2020

TECHNICAL GPA

3.67

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)