ANNIE TANG

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

EDUCATION

UC BERKELEY

TECHNICAL GPA
3.67

B.A. COMPUTER SCIENCE, CLASS OF 2020

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)

EXPERIENCE

UC BERKELEY

EECS DEPT.
Fall 2017 – present

CS61A TEACHING ASSISTANT

* 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).
* Guest lectured SQL Aggregation and Python fundamentals.

INFINERA

INTERNSHIP
Summer 2016

SOFTWARE ENGINEER INTERNSHIP

* Developed 2 Excel Macros to automate data extraction and formatting process for the Finance department to increase workflow efficiency

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, and Trie trees for name-search auto completion 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 (i.e. natural inner joins, filtering clauses, and arithmetic/NAN/NoValue computations) for parsed in text, table files.

PS & AI

FRONTEND
Spring 2017

BEARWALKS | portfolio

* Designed a mobile app interface to improve the safety for UC Berkeley students
* Iterated through the product design cycle, and implemented features post-feedback

INVOLVEMENTS

UC BERKELEY

STUDENT GOV'T
Fall 2017 – present

DIRECTOR OF ENGINEERING, office of adnan hemani

* Serving 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.

Languages: Python, Java, C, SQL, Numpy, Pandas, HTML/CSS