

ANNIE TANG

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EDUCATION

UC BERKELEY

B.A. COMPUTER SCIENCE, CLASS OF 2020

TECHNICAL GPA

3.67

EXAMPLE OF COURSE WORK:

- * Data Structures & Algorithms (Sp17)
- * Designing Information Systems (Sp17)
- * Machine Structures (Fa17)
- * Discrete Math & Probability (Su17)
- * Techniques of Data Science (Fa17)

EXPERIENCE

UC BERKELEY

CS61A TEACHING ASSISTANT

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

INFINERA

SOFTWARE ENGINEER INTERNSHIP

INTERNSHIP

Summer 2016

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

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.

PS & AI

BEARWALKS | [portfolio](#)

FRONTEND

Spring 2017

- * 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

DIRECTOR OF ENGINEERING, office of adnan hemani

STUDENT GOV'T

Fall 2017 – present

- * 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