

ANNIE TANG

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EDUCATION

UC BERKELEY

COMPUTER & COGNITIVE SCIENCE (BA) | CLASS OF 2020

TECHNICAL GPA

3.67

SAMPLE OF COURSE WORK:

- * CS61B: Data Structures & Algorithms
- * CS70: Discrete Math & Probability
- * Data 100: Techniques of Data Science
- * EE16A: Designing Information Systems
- * CS61C: Machine Structures

TECHNICAL SKILLS

- * Python, Java, C, Numpy, SQL, Pandas, HTML/CSS

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

PS & AI

BEARWALKS | tinyurl.com/bearwalks

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

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.

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.

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.