

ANNIE TANG

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EDUCATION

UC BERKELEY

TECHNICAL GPA

3.67

B.A. COMPUTER & COGNITIVE SCIENCE | CLASS OF 2020

COURSE WORK:

- * CS61B: Data Structures & Algorithms
- * CS70: Discrete Math & Probability
- * CS61C: Machine Structures
- * EE16A: Designing Information Systems
- * Data100: Techniques of Data Science
- * Math54: Linear Algebra & Differential Eqns

TECHNICAL SKILLS:

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

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
- * 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

ADOBE CC

FRONTEND

Spring 2017

PROJECTS

BEARWALKS | tinyurl.com/bearwalks

- * 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

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.

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.

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.
- * Leading and organizing all teams and interns within the Engineering department.
- * Increasing engagement of the student body with departmental issues and affairs.

UC BERKELEY

CS Club

Fall 2017 – present

IOS MOBILE DEVELOPER, mobile developers of berkeley

- * Going through an intensive training bootcamp to learn ios app development
- * Will be working in a team of five to be implementing the backend of BEARWALKS, one of my previous UI/UX side project