

# 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](https://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