

ANNIE TANG

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EDUCATION

UC BERKELEY
TECHNICAL GPA
3.67

B.A. Computer, Cognitive, and Data Science | class of 2020

COURSE WORK:

- * CS61B: Data Structures & Algorithms
- * CS70: Discrete Math & Probability
- * CS61C: Machine Structures
- * CS170: Efficient Algorithms (Sp18)
- * EE16A: Designing Information Systems
- * Data100: Techniques of Data Science
- * Math54: Linear Algebra & Differential Eqns
- * Stat140: Data Science & Probability (Sp18)

TECHNOLOGIES:

- * Python, Java, C, Swift, Numpy, SQL, HTML/CSS, Jupyter Notebook, 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.
- * Guest lectured for 400 students about Python fundamentals (REPL) and SQL queries.

INFINERA
INTERNSHIP
Summer 2016

SUMMER INTERNSHIP

- * Developed two Excel Macros to automate data extraction and formatting processes.
- * Transformed a two-day procedure into a 30-minutes task for the Finance Department.
- * Communicated between Finance and Engineering depts. to ensure relevancy of work.

PROJECTS

SWIFT 3.0
FULL STACK
Fall 2017

SOCIAL EVENTS | tinyurl.com/mdb-socials

- * Integrated Google's Firebase API using Firebase Authentication, Storage, and Database to create a dynamic social events app.
- * Built in user creation, image storage, and event creation functionalities.

ADOBE CC
UI/UX DESIGN
Spring 2017

BEARWALKS | tinyurl.com/bearwalks

- * Designed the UI for a high-fidelity mobile app prototype after conducting extensive UX research (market analysis, scenario mapping, user interviews, etc.)
- * Award: "Best Prototype" by Berkeley Innovation & showcased work in Cal creator gallery
- * Technologies used: Adobe Experience, Photoshop, Illustrator

JAVA
BACKEND
Spring 2017

RELATIONAL DATABASE MANAGEMENT SYSTEM | (private repo)

- * Individually designed the API & structure for a relational database management system
- * Implemented backend for SQL-like user query data retrieval, such as: merging tables, filtering rows, computing various data types, and loading/printing/creating data tables.
- * Unit tested project with JUnit to ensure bug-free experience for user
- * Technologies used: IntelliJ, Java, Junit/JTest

INVOLVEMENTS

UC BERKELEY
STUDENT GOV'T
Fall 2017 – present

DIRECTOR OF ENGINEERING, office of adnan hemani

- * Serving as a liaison for the student body, engineering dept, and office of Adnan Hemani.
- * Leading a team of 3 engineering interns as a product manager to consolidate campus resources on an accessible web platform for the student body.

UC BERKELEY
MOBILE DEV
Fall 2017 – present

IOS MOBILE DEVELOPER, mobile developers of berkeley

- * Creating an iOS mobile app every week using Swift 3.0 and Xcode with differing emphasis on various programming paradigms and functionalities
- * Developing a social, music-sharing/discovery app with a team of 3 iOS developers.