

ANNIE TANG

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EDUCATION

Class of 2020

Bachelor of Arts
Technical GPA: 3.67

UC BERKELEY | Computer & Cognitive Science

RELEVANT COURSE WORK:

- * CS61B: Data Structures & Algorithms
- * CS61C: Machine Structures
- * CS170: Efficient Algorithms (Sp18)
- * Data100: Techniques of Data Science
- * Stat140: Data Science & Probability (Sp18)
- * CS186: Intro to Database Systems (Sp18)

TECHNOLOGIES:

- * Python, Java, C, Swift, Numpy, SQL, HTML/CSS, Assembly (RISC-V), Pandas

EXPERIENCE

UC BERKELEY

EECS DEPT.
Fall 2017 – present

CS61A TEACHING ASSISTANT

- * Teaching 35+ students in problem-based, hands-on 1.5 hour discussions & labs.
- * Guest lectured to 400 students about Python fundamentals (REPL) and SQL queries.
- * Helping students gain a deep understanding for Python & an exposure to SQL/Schema.

UC BERKELEY

STUDENT GOV'T
Fall 2017 – present

DIRECTOR OF ENGINEERING | office of adnan hemani

- * Leading a team of 3 engineering interns as the product manager to consolidate campus resources on an accessible web platform for the student body.
- * Designing the website interface and managing content requirements.

INFINERA

INTERNSHIP
Summer 2016

SUMMER INTERNSHIP

- * Programmed 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 Engineering and Finance dept. as part of daily sprints.

PROJECTS

FULL STACK

Xcode, Swift 3.0
Fall 2017

SOCIAL EVENTS APP | tinyurl.com/mdb-socials

- * Integrated Google's Firebase API for Firebase Authentication, Storage, and Database
- * Built in user/event creation, image storage, and large data retrieval functionalities.
- * Programmatically set the UI design in Xcode with Swift 3.0

FRONTEND

HTML/CSS, JS
Summer 2017

PERSONAL WEBSITE | tinyurl.com/anniewtang-website

- * Self-taught HTML/CSS and Javascript to develop my current personal website.
- * Independently designed and coded current website layout from scratch, without the use of frameworks (and, with much help from Stack Overflow).

UI/UX DESIGN

Adobe XD, PS
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.).
- * Awarded "Best Prototype" by Berkeley Innovation & presented work at a Cal showcase.

BACKEND

Java, Junit/JTest
Spring 2017

RELATIONAL DATABASE MANAGEMENT SYSTEM | (private repo)

- * Individually designed the API & backend database structure to create 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.

BACKEND

Java, Junit/JTest
Spring 2017

BERKELEY MAPS | (private repo)

- * Pulled data from OpenStreetMap API to create interactive map/locationing web server
- * Implemented shortest path algorithms (A*) to allow for efficient destination routing
- * Supported location-search auto-completion with Trie tree structures
- * Handled user zoom capabilities/image and map rasterization with quad-tree structures