

ANNIE TANG

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EDUCATION

B.A. Computer Science | **UC Berkeley** Class of 2020 • UPE (CS Honors Society) • GPA: 3.7/4.0
Accel Scholars • EECS Department Grace Hopper Scholarship Recipient 2018 • Google Student Scholar 2018

Relevant Coursework | Algorithms, Artificial Intelligence, Operating Systems, Databases, Data Structures, Machine Structures, Machine Learning, Probability Theory, Data Science, Computer Security

Technologies | Python, Hack (PHP), Java, C, NumPy, SQL, HTML/CSS, Pandas, Adobe Creative Cloud (Photoshop, Illustrator)

WORK EXPERIENCE

FACEBOOK | Software Engineering Intern

Backend (platform team) • Hack (PHP) • Summer 2019

- Independently redesigned core components of Facebook's ads data model to support easy development for ads product teams
- Rebuilt framework integrated and in use by new product teams; internally developed debugging tools in use by Ads Core Eng teams

UC BERKELEY EECS DEPARTMENT | Computer Science Academic Intern Organizer & uGSI Orientation Leader

Summer 2019

- Led a 4-hour workshop with customized content for first-time EECS undergraduate student instructors on CS pedagogy, bias, etc.
- Redesigned and formalized current CS academic intern experience for EECS dept. with the Director of Undergraduate Instruction.

SALESFORCE | Software Engineering Intern

Backend (security) • Java, Mockito, Node.js, IntelliJ • Summer 2018

- Integrated new attribute (SameSite) into Salesforce's core application to protect customer session ID cookie from CSRF exploits.
- Developed an automated logging system to record undesired behaviors of SameSite attribute for team data analytics on Splunk.

UC BERKELEY EECS DEPARTMENT | TA for Programming Fundamentals (CS 61A) & Data Structures (CS 61B)

Python, Java • Summer 2017 – Present

- Lectured twice a week on course material to 60+ students in interactive discussion sections with problem-based worksheets.
- Created custom course content to aid in student learning (i.e. extra practice questions, video walkthroughs, conceptual guides, etc.)
- Wrote and edited the Data Structures (CS61B) online textbook on topics such as asymptotic analysis, inheritance, etc.

PROJECTS

DISH-CUSSION | tinyurl.com/yelp-but-for-dishes

Full Stack • Java, HTML, CSS, Google App Engine/Cloud • Summer 2018

- Operated as the Google CodeU project architect for team of three to create a Yelp-but-for-dishes web application over 8 weeks.
- Implemented backend infrastructure for app data (i.e. reviews, dishes, query tags) and integrated with frontend for user search.

WEB FILE SCRAPER | tinyurl.com/scrape-files

Backend • Python, BeautifulSoup • Spring 2018

- Created a web-scraping script to quickly download files from a website with in-file documentation for ease of reusability.
- Currently offers interactive and simple command-line features (i.e. letting user choose mode of download)

BEARWALKS | tinyurl.com/bearwalks

Frontend, UI Designer • Adobe Photoshop, Illustrator, and Experience XD • Spring 2017

- Designed an interactive mobile app prototype to improve student safety using UX research (i.e. market analysis, scenario mapping).
- Awarded "Best Prototype" by Berkeley Innovation and presented work at the Berkeley Innovation annual creator showcase.

ACTIVITIES

COMPUTER SCIENCE MENTORS (CSM) | Junior, Senior Mentor | Fall 2017 – Spring 2018

- Mentored a group of 5-6 Junior Mentors weekly by discussing pedagogy tips and the technical content for each week's material.
- Taught groups of 4-5 CS 61A and CS 61B students with the use of mini-lectures and problem-based worksheets.

ASSOCIATION OF WOMEN IN EECS (AWE) | Member, Industry Relations Officer | Fall 2016 – Fall 2018

- Coordinated with tech companies for sponsorships and on-campus events (i.e. tech talks); brought in \$6.8K for AWE during Fa18.
- Led 4 EECS undergrads to analyze data on course scaling/growth; presented results to 80+ EECS profs at Sp18 EECS Faculty Retreat.