

Andrew Kan

Site: kandrewz.github.io Email: andrewzkan@gmail.com LinkedIn: [andrewzkan](https://www.linkedin.com/in/andrewzkan) Github: [kandrewz](https://github.com/kandrewz)

Education

University of California, Los Angeles (UCLA) *Fall 2018 – Spring 2022*

B.S. Computer Science Major, Statistics Minor

- **GPA:** 3.87 **Societies:** Tau Beta Pi President, Upsilon Pi Epsilon Mentorship Chair
- **Relevant Courses:** Machine Learning, Data Science Fundamentals, Algorithms and Complexity, Operating Systems, Mathematical Statistics, Data Structures, Databases

Experience

Software Developer Engineer Intern, Amazon *June 2021 – September 2021*

- Created interface in response to a Severity 1 issue that allows clients to validate their service inputs with their own custom configurations
- Onboarded senior engineers and their teams onto my interface, which is used in tens of thousands of service creations and updates daily
- Constructed an internal toolpage that lets clients to easily track and compare the entire revision history of their service creations

Python Programmer Intern, UCLA Center of Health Policy Research *May 2019 – Nov 2019*

- Enhanced CalSIM, a [micro-simulation](#) used by the California government that predicts how individual and business insurance plans affect medical costs
- Rebuilt the entire documentation [website](#) and created a script to quickly update and format it
- Found a bottleneck that took more than 50% of runtime and researched parallelization methods
- Refactored the entire codebase from **Python 2** to **Python 3**

Data Journalism Software Engineer and Assistant Editor, The Daily Bruin *October 2018 - Present*

- Managed and led a team of more than 25 data journalists to create 7 articles as assistant editor
- Compared college [actions](#) and simulated hospital beds [needed](#) during the COVID-19 outbreak
- Collected more than 1.6 million data points using **Beautiful Soup**, **Selenium**, and **R** to observe [how quickly classes fill up during enrollment time](#), reaching over 2,000 readers in 1 week
- Designed a responsive [game](#) with **React**, **d3.js**, and **Flask** examining UCLA's waste breakdown

Webmaster, Tau Beta Pi *June 2019 – Present*

- Maintained a [website](#) and mailing server for members using **Django**, **Postfix**, and **Docker**
- Improved the website by adding officer photos, an events calendar, documentation, and other QOL

Projects

Datafest, UCLA Team Stackers *April 2021*

- Analyzed association between US cannabis legality and drug misuse through dynamic [map](#), winning [Best Visualization](#) in yearly UCLA statistics competition
- Same project went on to win third place in ISI Florence Nightingale Prize for Data Visualization

Flux, UCLA Creative Labs *Jan 2019 – June 2019*

- Built a social media [site](#), that taught over 100 users good UX practices with **Firebase** and **React**
- Implemented posting and notifications in collaboration with a desing team through **Figma**

Skills

- **Languages:** C++, Python, Java, HTML/CSS, JavaScript **Frameworks:** d3.js, React.js, Django
- **Technologies:** git, bash, Unix, Beautiful Soup, Selenium, Firebase, Docker, SQL, Spring