

Andrew Kan

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Education

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

Bachelors of Science: Computer Science and Engineering Major, Statistics Minor

- **GPA: 3.86**
 - **Societies:** Tau Beta Pi Tutoring Chair and Webmaster, Upsilon Pi Epsilon, MentorSEAS
 - **Relevant Courses:** Introduction to Machine Learning, Algorithms and Complexity, Operating Systems, Introduction to Data Science Fundamentals
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Work Experience

Python Programmer Intern May 2019 - Present

CalSIM, UCLA Center of Health Policy Research

- Worked on improving a [micro-simulation](#) of how millions of CA individuals, families, and firms' decisions affect their medical plans and costs, used by the CA government
 - Applied **Python**, **Pandas**, and **Numpy** to optimize function runtimes by finding and improving the most time-consuming functions (one function was over 50% of runtime)
 - Researching **dask** to parallelize the program and decrease runtime
 - Wrote **bash** scripts to auto-generate **Sphinx** code documentation, and overhauled the entire public code documentation website, calsim.bitbucket.io
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Project Experience

Data Journalism Reporter and Coder October 2018 - Present

Daily Bruin's Stack

- Reporter and coder for University of California, Los Angeles's data journalism blog
- 1. Utilized **React**, **d3** (a JS library), and **flask** to create a responsive game and interactive graphs examining UCLA's [waste breakdown](#)
- 2. Created dynamic graphs using **d3** to look at [trends within the paper's intern acceptances](#)
- 3. Web scraped using **Beautiful Soup** and **Selenium** to evaluate how quickly classes fill up during enrollment time, gathering over 800,000 points of data

Web Developer Jan 2019 – June 2019

UCLA Creative Labs

1. Created a social media app, [flux.rip](#), that taught others of good UX practices and **reached over 100 people**
 - a. Used **Firebase** and **React** to implement posting and notification functionality
2. Interviewed students and developed the front-end of a website to share students' experiences from differing opinions and backgrounds

Web Developer October 2018 – Feb 2019

ACM Hack

- Used **Postman** and **React** to make a full-stack blog posting function and other projects
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Skills

- **Languages:** C++, Python, Java, d3.js, React.js, HTML/CSS, Beautiful Soup, Selenium
- **Technologies:** git, Firebase, bash