# 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*
- o **GPA: 3.91**
- o **Societies:** Tau Beta Pi Tutoring Chair and Webmaster, Upsilon Pi Epsilon, MentorSEAS
- o **Relevant Courses:** Algorithms and Complexity, Computer Organization, Operating Systems, Introduction to Data Science Fundamentals

## Work Experience

**Python Progammer Intern** May 2019 - Present
*CalSIM, UCLA Center of Health Policy Research*
- o 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
- o 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)
- o Researching **dask** to parallelize the program and decrease runtime
- o Wrote **bash** scripts to auto-generate **Sphinx** code documentation, and overhauled the entire public code documentation website, calsim.bitbucket.io

## Project Experience

**Data Journalism Reporter and Coder** October 2018 - Present
*Daily Bruin's Stack*
- o 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. Currently web scraping using **Beautiful Soup** and **Selenium** to see how quickly classes fill up during enrollment time

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

## Skills

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