

CATHERINE GEE

1929 Delaware St Berkeley, CA 94709

(760) 861-2574 ♦ catherinelgee@gmail.com ♦ catherinelgee.github.io

EDUCATION

University of California, Berkeley
Bachelor of Arts – Computer Science

August 2018 - May 2022

SKILLS / RELEVANT COURSEWORK

Languages & Packages
Classes

Python (Pandas, Seaborn, Jupyter), Java, C, HTML/CSS, JavaScript
Principles of Data Science, Intro to Artificial Intelligence,
Databases, Computer Security

PROJECTS

The (Data) Science of Kpop

Series of data visualizations on Korean music charts. Scraped digital charting data from the Gaon music website. Uses libraries BeautifulSoup, pandas, seaborn and matplotlib. (Ongoing, currently collects data from roughly 7 years of chart data and basic data analysis.)

MOOCbase

Database implementation; includes support for B+ tree indices, efficient join algorithms, query optimization, multigranularity locking to allow concurrent execution of transactions, and database recovery.

EXPERIENCE

Girls Who Code, Los Angeles
Teaching Assistant

May 2020 - August 2020

- 8 week TA for the 2020 Virtual Girls Who Code Online Summer Immersion Program. Duties involve lessons in HTML, JavaScript, and CSS. Experience using online educational tools with Google Suite.

CS Kickstart, Berkeley
Head TA, Curriculum Lead, Advisor

August 2018 - Present

- Teach and assist in developing a final project for the next cohort of girls for a one week introductory program in CS. Curriculum includes computer science basics (controls, booleans, environments and scope). Currently leading a team to expand the program curriculum to cater to 60 girls to 85 of varying CS backgrounds.

Division of Data Science and Information, Berkeley
Data Science Modules Curriculum Developer

September 2019 - May 2020

- Develop data science lessons and explorations in Jupyter notebooks for teaching/educational purposes. Work closely with professors and graduate students to perform data analysis, visualization, and mapping. Currently working on a project for ESPM c167 (Environmental Health and Development).

ACHIEVEMENTS

Greatest Impact Award at the 2019 Berkeley ISPE Hacking Human Health Hackathon