

Rachel Li

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WORK EXPERIENCE

Intern, NASA Goddard Space Flight Center

JUN - AUG 2019 | Greenbelt, MD

Developed a pipeline for downloading, storing, and processing Twitter data related to precipitation. Researched databases for the storage of raw Twitter data, mapped Tweets onto a uniform time-space grid using the Python package Zarr.

ACTIVITIES

Student Association for Applied Statistics (SAAS), Web Development Director

MAY 2019 - PRESENT | Berkeley, CA

Develop and maintain SAAS website (<https://saas.berkeley.edu/>). Teach team of students web development concepts, provide mentorship on web development & data visualization projects.

Data 8: Foundations of Data Science, Lab Assistant/Academic Intern

JAN 2019 - MAY 2019 | Berkeley, CA

Assisted uGSIs and answered student questions during labs for Data 8, an introductory data science course that teaches Python.

Blue & Gold Yearbook, Copy Editor

MAY 2019 - PRESENT | Berkeley, CA

Manage team of copywriters for UC Berkeley's official yearbook. Edit 300-word articles about events, organizations, and issues in the Berkeley community.

PROJECTS

UCPD Crime, Student Association for Applied Statistics (SAAS)

JAN 2019 - MAY 2019 | Berkeley, CA

Created front-end data visualization of Berkeley crime prevalence using 3 months of UCPD crime logs. Technologies used: HTML, CSS, JavaScript, and Leaflet. Link: <https://saas.berkeley.edu/webdev/ucpd-crime>.

KNN Movie Classifier, Data 8: Foundations of Data Science

NOV 2018 | Berkeley, CA

Built a classifier that used the k-nearest neighbors algorithm to classify movies by genre (romance or action) based on the number of times certain words appear in the movies' screenplays. Technologies used: Jupyter, Python, numpy, datascience package (similar to pandas).

Eat with Rachel, Web Design DeCal

NOV 2018 | Berkeley, CA

Created website to showcase my own food photos and reviews as final project for the Web Design DeCal. Implemented CSS animations and JQuery. Link: <https://rachelli429.github.io/rachellyeats/>

EDUCATION

UC Berkeley

B.A. Computer Science | 4.0 GPA

MAY 2022 | Berkeley, CA

Relevant Coursework:

- Data Structures (in progress)
- Principles & Techniques of Data Science (in progress)
- The Structure and Interpretation of Computer Programs (A+)
- Foundations of Data Science (A+)
- Concepts in Computing with Data (A+)
- Web Design
- Linear Algebra & Differential Equations (A+)
- Multivariable Calculus (A+)

SKILLS

Programming Languages

Python, R, HTML, CSS, JavaScript, SQL, Java (learning)

Tools

Git, Django, MongoDB, Jupyter, Microsoft Office, Adobe InDesign, iMovie

Foreign Languages

Chinese (fluent), French (proficient)

AWARDS

Rewriting the Code Fellow

AUG 2019 - SEP 2020

National Merit \$2500 Scholarship Recipient

APR 2018

Maryland Mock Trial, 2nd place in state

APR 2018

National Economics Challenge

8th place in nation & Maryland

State Champions

APR 2017

