

Rachel Li

LinkedIn: www.linkedin.com/in/rachelli429/

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

Statistics Undergraduate Student Association (SUSA), Web Development Director

MAY 2019 - PRESENT | Berkeley, CA

Develop and maintain SUSA website (<https://susa.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, Statistics Undergraduate Student Association (SUSA)

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://susa.berkeley.edu/webdev/ucpd-crime>.

Iowa Housing Prices, Statistics Undergraduate Student Association

SEP 2018 - NOV 2018 | Berkeley, CA

Won Kaggle competition within Career Exploration committee: created a model to predict Iowa housing prices from 79 features using K-nearest neighbors, decision trees, and neural networks in Python (scikit-learn & pandas).

Berkeley x Events, Cal Hacks 5.0

OCT 2018 - NOV 2018 | Berkeley, CA

Participated in a cohort of first-time hackers: received mentorship in ideation and participated in technical workshops. Created an iOS app that plots "interested" Facebook events on a map using Swift and XCode.

(240) 643-9524

rachelrli@berkeley.edu

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