

# 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