

# Suraj Rampure

[rampure.org](http://rampure.org)

suraj.rampure@berkeley.edu

(510) 717-5111

## Education

2020-2021 **University of California, Berkeley**  
MS, Electrical Engineering and Computer Science  
Advisor: Josh Hug

2016-2020 **University of California, Berkeley**  
BS, Electrical Engineering and Computer Science

## Teaching

2020-2021 **Instructor, UC Berkeley**  
**Data 94: Introduction to Computational Thinking with Data (Spring 2021)**  
In progress. Designing a new introductory programming course designed to attract students to data science, iterating on a prior offering and other similar courses.  
Estimated enrollment: 30 students. ([link](#))

**Data 100: Principles and Techniques of Data Science (Summer 2020)**  
Introductory upper-division data science course (follows Data 8), teaching common data science tools and machine learning methods. Instructor of the first fully-remote iteration of the course. Recorded lecture videos, taught live lecture sessions, held office hours, created and updated several assignments, and wrote four exams. Led a teaching staff of over 25 TAs/tutors. Enrollment: 330 students. ([link](#))  
Rating: 6.3/7

2018-2019 **DeCal Instructor, UC Berkeley**  
**CS 198-087: Introduction to Mathematical Thinking (Fall 2018, Spring 2019)**  
Developed and taught an introductory discrete math course as a DeCal (student-run course with a faculty advisor), with the goal of preparing students for future coursework in discrete math. Created all lectures, notes, homeworks, quizzes, and exams. Enrollment: 80-90 students. ([link](#))  
No Official Ratings

2017-2020

### Teaching Assistant, UC Berkeley

Data 100: Principles and Techniques of Data Science (Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020)

Served as a head TA for five semesters. Taught discussion and lab sections, held office hours, created assignments and exams, maintained grades, delivered guest lectures and review sessions, created walkthrough videos, and helped manage a staff of over 30.

Enrollment: 900-1200 students.

Ratings: 4.8/5 (SP 20), 4.8/5 (FA 19), 4.7/5 (SP 19), 4.6/5 (FA 18)

### CS 70: Discrete Mathematics and Probability Theory (Summer 2019)

Rigorous discrete math and probability course required of all CS/EECS majors. Served as a head TA for one semester. Managed course logistics, wrote and graded exams, maintained grades, and helped manage a staff of over 20. Enrollment: 350 students.

Rating: 4.5/5

### CS 375: Teaching Techniques in Computer Science (Summer 2019)

Required seminar for all first-time TAs. Read and provided feedback on teaching reflections.

Managed course website. Brought in faculty guest speakers. Enrollment: 30 students.

No Official Rating

### CS 61A: Structure and Interpretation of Computer Programs (Spring 2018)

CS 1.5, first course in required sequence for all CS/EECS majors. Held office hours, graded exams, and recorded walkthrough videos. Enrollment: 1200 students.

Rating: 4.5/5

### Data 8: Foundations of Data Science (Fall 2017)

Introductory data science course, teaching computational and inferential thinking largely within the Jupyter notebook environment. Taught lab sections, held office hours, helped maintain grades and course infrastructure, and recorded walkthrough videos.

Enrollment: 1000 students.

Rating: 4.8/5

## Awards and Honors

2020 Distinguished Graduate Student Instructor Award, UC Berkeley EECS ([link](#))

2018 Outstanding Graduate Student Instructor Award, UC Berkeley ([link](#))

## Research and Talks

2020 Suraj Rampure\*, Allen Shen\*, and Josh Hug. "Experiences Teaching a Large Upper-Division Data Science Course Remotely." In Proceedings of the 52nd ACM Technical Symposium on Computer Science Education (SIGCSE '21).

2020 Suraj Rampure and Joseph Gonzalez. "Data 100 Overview." Presented at 2020 National Workshop on Data Science Education. ([link](#))

## Service

### Presentations

2020-2021 Presenter, Teaching Conference for First-Time GSIs, UC Berkeley  
2020 Q&A Panelist and Workshop Leader, 2020 National Workshop on Data Science Education  
2019-2020 Panelist and Moderator, EECS/CS Life from a Student Perspective Panel, UC Berkeley  
2019 REU Workshop Instructor, Center for Energy Efficient Electronics Science

### Committees and Organizations

2020 Student Representative, UC Berkeley Data Science Building Planning Meetings  
2020 GSI Survey Analysis Committee, UC Berkeley  
2019-2020 EECS GSI Teaching Task Force, UC Berkeley  
2017-2019 External Vice President & Course Coordinator, CS Mentors, UC Berkeley

### Volunteering

2020 Section Leader, CS 106A Code in Place, Stanford University  
2018-2019 Exhibitor, UC Berkeley @ Bay Area TEALS CS Fair  
2016, 2019 Activity Leader, CS Education Day, UC Berkeley

### Other Experience

2018 Software Engineering Intern, McKinsey & Co. (New York, NY)