

Suraj Rampure

suraj.rampure@berkeley.edu • (510) 717-5111

surajrampure.com • github.com/surajrampure • linkedin.com/in/rampuresuraj

Education

University of California, Berkeley

B.S. Electrical Engineering and Computer Science, focus in Math and Statistics

08/2016 - 05/2020

GPA: 3.28

Coursework: Machine Learning, Random Algorithms and Combinatorics, Probability and Random Processes, Discrete Math, Data Structures, Linear Algebra, Numerical Analysis, Efficient Algorithms, Engineering Economics

Skills and Tools

Proficient: Python (+numpy, scipy, Jupyter/iPython, pandas), Java (+Swing/JavaFX), LaTeX

Familiar: Tensorflow, scikit-learn, SQL, MATLAB, C++, Scheme, Swift/iOS, HTML, CSS, Javascript (+node.js), Git

Experience

Undergraduate Student Instructor • UC Berkeley Department of EECS (Berkeley, CA)

08/2017 - Present

- **Recipient of the 2017-2018 campus-wide Outstanding Graduate Student Instructor award**
- Teaching Assistant for CS 61A, Berkeley's introductory programming course, one of the largest CS courses in the US
- Responsible for helping create auxiliary content, staffing office hours, helping create exams and teaching a section
- Was previously a TA for Data 8, Berkeley's introductory data science course, and received exceptional student reviews

Incoming Software Engineering Intern • McKinsey New Ventures (New York, NY)

06/2018 - 08/2018

- Software engineering intern on the Healthcare Analytics and Delivery team

Founder and Lecturer • Introduction to Mathematical Thinking (Berkeley, CA)

11/2017 - Present

- Currently leading a team of content creators to start an all-new course in Fall 2018 at Berkeley (<http://imt-decal.org>)
- The course aims to provide students with mathematical maturity with a contest-math flair before taking more challenging courses needed to declare the CS major, such as Discrete Math and Probability Theory
- Will use student background and performance data from the course to investigate the effectiveness of prep courses

Mentor and Co-coordinator • Computer Science Mentors (Berkeley, CA)

01/2017 - Present

- Responsible for teaching an auxiliary section of six students concepts from CS 70 – Discrete Math and Probability
- In charge of ensuring all ~40 CS 70 mentors are familiar with worksheets and aiding newer mentors pedagogically

Projects

- **Cal Hacks** (10/2017): Helped organize and run the nation's largest ever collegiate hackathon
- **Database** (03/2017): A relational database that supports column operations in Java
- **Digital Jams** (03/2015): Web application that allowed users to simultaneously play instruments with each other
- **iPaint** (01/2014): Graphic design program in Python that featured undo/redo, crop, filtering algorithms and text insertion