

SANDEEP MUKHERJEE

[linkedin.com/in/sandeepmukh](https://www.linkedin.com/in/sandeepmukh) | sandeepmukh.github.io

Undergraduate Math & Computer Science double major, who loves programming, solving unique problems, and AI/ML.

EDUCATION

(09/2020) – Present

University of California, Berkeley | Bachelor of Arts in Mathematics & Computer Science

GPA: 4.00 | ACT Score: 36 Composite, 36 on all subsections

EXPERIENCE

Undergraduate Researcher | Berkeley AI Research/AUTOLab

(09/2020) – Present

Working under Prof. Goldberg. Redesigned a Django web application with over 1500 users using mobile-friendly formats, created D3 forced directed graphs to map influence with live data, and an image caching system. I am currently working on AlphaGarden, where I am designing a model to track plants' centers throughout development.

Quantitative Analyst | Capital Investments at Berkeley

(09/2020) – Present

Performed an election study on the relationship between various sector-wise ETFs (SPY, XLI, XLC, etc) and New York Times headline sentiment towards political parties and candidates. Currently working on creating a portfolio that optimizes beta to generate passive income.

Grader/Teaching Assistant | The Art of Problem Solving

(09/2020) – Present

Grade and engage with students in subjects varying from Olympiad mathematics, probability, and computer science, where I consistently demonstrate mastery, the ability to teach and understand a myriad of problem-solving strategies.

Student | Google CSSI Online

(07/2020) – (09/2020)

Engaged with the fundamental principles of data structure and algorithms including greedy algorithms, dynamic programming, divide-and-conquer algorithms, and debugging techniques in a competitive Google CS program.

SKILLS AND ACCOMPLISHMENTS

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- Software Engineering (in order of fluency): Python | Java | HTML/CSS | R | SQL
 - Problem Solving: Competition Mathematics | Data Structures and Algorithms
 - National Merit Commended Scholar: One of 4500 students selected out of all the nation's high school seniors based on PSAT Score
 - National AP Scholar: For achieving an average score of a 4 or higher on at least 8 AP exams

PROJECTS | github.com/sandeepmukh

Citadel Datathon 2020 | NYTVSectorETFs Election Study | Personal Website | School Projects | Go-Vote.network