

# SANDEEP MUKHERJEE

---

Scotch Plains, NJ | (732) 689-0173 | smukerjr@gmail.com  
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 models to track plants' centers throughout development and create a segmentation pipeline.

Quantitative Analyst/Teaching Assistant | 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 TA for the Quant Finance DeCal and founding member of the Berkeley Trading Competition.

Grader | 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

---

- 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

