





# Sandeep Mukherjee

University of California,  
Berkeley Undergraduate

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## Social Network

 LinkedIn Profile  
 Github Profile

## Languages

 Spanish   
 English 

## Programming

 Python   
Packages: Pandas, Numpy  
 Java   
Packages: stdlib, Junit  
 HTML/CSS   
 SQL   
 R   
Packages: ggplot2, dplyr

## Interests



## Education

2020-Present **UC Berkeley** Undergraduate  
Applied Math and Computer Science Double Major  
GPA: 4.00  
2016 — 2020 **Magnet High School** High School  
Vocational-Technical High School specializing in Science, Technology, Engineering, and Mathematics. Specialized coursework included four years of engineering courses and AutoCAD Certification.

## Coursework

CS61a The Structure and Interpretation of Computer Programs A+  
Math 53 Multivariable Calculus A

## Test Scores

**ACT** each section out of 36  
36 Math, 36 English, 36 Reading, 36 Science

## Experience

2020-present **Research Intern** Berkeley AI Research Lab/AUTOLab  
Working under Prof. Goldberg. Redesigned a Django web application using mobile-friendly formats, created D3 forced directed graphs to map influence with live data, and an image caching system.  
2020-present **Quantitative Analyst** Capital Investment at Berkeley  
Incoming quantitative analyst in quantitative finance training program  
2020 **Data Structure and Algorithms** Google CSSI Online Experience  
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.  
2020 **Grader** The Art of Problem Solving  
Grade and engage with students in subjects varying from Olympiad mathematics, probability, and computer science, where I consistently demonstrate a mastery of this material and the ability to teach it.  
2019 **Teen Summer Docent** Liberty Science Center  
Interacted with and educated guests of all ages about various scientific phenomena and led team which created a jet propulsion demonstration.

## Awards

2019 **National Merit Commended Scholar**  
4500 students selected out of all the nation's high school seniors based on PSAT Score  
2020 **National AP Scholar**  
For achieving an average score of a 4 or higher on at least 8 AP exams  
2020 **Physics Department Award**  
For exceptional performance in AP Physics C: E&M

## Extra-Curricular Activities

Sports Tennis, Golf  
Music Jazz, Saxophone  
Debate PR Director – political involvement program creator