Gaurav Mallya

✉ GMALLYA@BERKELEY.EDU

⬡ gauravmallya

📞 (408) 835-0523

🌐 gauravmallya.com

in gaurav-mallya-6363a8133

Career Goals

I am a passionate undergraduate who is seeking to work on exciting software and data projects to grow as a developer.

Technical Skills

Java
Python
GoLang
SQL
HTML/CSS
JavaScript
R
Microsoft Office

Relevant Coursework

CS61A: Introduction to Data Science Structure and Interpretation of Computer Programs
CS61B; Data Structures and Algorithms
CS70: Discrete Mathematics and Probability
DATA8: Introduction to Data Science
CS170: Efficient Algorithms and Intractable Problems

Work Experience

PANORAMIC COMPUTING - SWE INTERN

SAN JOSE, CA | MAY 2021 - JUNE 2021

- Created integration and unit tests using GoLang to monitor the performance of our application's backend API handlers
- Developed a live HTTP server to simulate WebSocket requests and retrieve data from our handlers for further testing

UPSYNC BERKELEY - TECHNICAL CONSULTANT

BERKELEY, CA | SEPTEMBER 2020 - PRESENT

- Worked with a company called **BobaMate** to improve marketing and sales prior to their worldwide release (Fall 2020)
- Created an ambassadorship program that would allow boba content creators to be affiliated with the product
- Worked with a Y Combinator startup called **HiGeorge** where our main focus was on client sourcing and ensuring client retention (Spring 2021)
- Developed an effective net promoter survey and designed marketing emails to increase outreach

STANFORD UNIVERSITY - RESEARCH ASSISTANT

STANFORD, CA | JUNE 2019 - AUGUST 2019

- Collected and sorted population/income data from 482 California cities
- Analyzed general and functional revenue spikes using Excel and an SQL database
- Learned the fundamentals about dynamic programming and municipal defaulting

Education History

UNIVERSITY OF CALIFORNIA, BERKELEY

AUGUST 2020 - MAY 2024

B.A. Computer Science and Economics
- Activities: Berkeley UpSync, UCB Zahanat (Dance), Planty Social

Projects

SPOT THE DIFFERENCE
JUNE 2021 - AUGUST 2021

- Created a UI using Python's PyGame library to test the human response time in the classic game "Spot the Difference"

RISK OF RAIN 2 CHARACTER BUILDER
JUNE 2021 - AUGUST 2021

- Developed website using HTML, CSS, and JavaScript to allow ROR2 players to optimize in-game items

STOCK PREDICTION USING TWITTER SENTIMENT
FEBRUARY 2020 - MAY 2020
- Implemented the Twitter and Tweepy API to collect over 100,000 tweets then analyzed the sentiment of each individual tweet using the TextBlob library and stored it within an SQL database
- Compared the stock price with the collected sentiment using Matplotlib, NumPy, and pandas