Mohit Chhaya

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EDUCATION

University of Illinois - Urbana Champaign — Urbana, Illinois
Bachelor of Science Computer Science + Linguistics — May 2024

EXPERIENCE

University of Illinois - Urbana Champaign — Urbana, IL
Undergraduate Researcher — August 2021 - Present

- Working with a PhD student to create a trading algorithm for leveraged ETF's.
- Simulated backtesting data for various equities through methods outlined in research papers
- Utilized technical analysis to create a buy and hold strategy that outperforms the Vanguard 500 index.

Mercury Signs Inc. — Apex, NC
Project Manager — July 2020 - July 2021

- Created a financial dashboard using REST API's, Selenium Web Scraping, Python, and Google Cloud Services to monitor on 1000+ cards.
- Automated customer pipeline to bring greater visibility to each customer using Google Cloud Functions, Cloud Pub/Sub, Gmail API, and Python. Automatically handled 1000+ customer interactions.
- Trained two new hires.

Cortechs Robotics, FRC 5511 — Cary, NC
Fabrication Manager — June 2019 - June 2021

- Lead the creation of two completely in-house fabricated 120lbs robot.
- Oversaw the usage and training of 10+ tools (CNC, Bandsaw, Drill Press, etc.)
- Coordinated a team of 30 and multiple subteams to build a robot in 6 weeks.

PROJECTS

NoTestNoProblem *Python, HTML/CSS/JS, Django, Tensorflow* — July 2020
https://github.com/mrchhaya/NoTestNoProblem
A platform for hospitals to test if a patient is COVID-19 positive or not. Created to address a shortage of COVID-19 tests. **Winner of FlareHacks 2020.**

Mercury Signs Customer Pipeline *Python, Google Cloud Platform, Gmail API* — 2020
An integration pipeline between Mark My Words software and Trello, which utilized Google Cloud Functions and Cloud Pub/Sub to create a card upon each call received or form filled out. An estimated **1000+** cards were created using this pipeline. Improved customer acquisition by ˜**20%** and visibility by ˜**60%**.

NOAA Discord Bot *Python, Docker, Selenium Web Scraper, REST API's* — Jan 2021
https://github.com/mrchhaya/noaaDiscordBot
An interface to retrieve data from **20+** NOAA Buoy's in various water sources, through an automated web crawler. Shared with **2+** boating clubs in Virginia through Docker and Github. The information was displayed through a Discord bot utilizing the Discord.py Python wrapper. Estimated **20+** people affected.

CERTIFICATES

SAS Certified Base Programmer for SAS 9 — SAS
Jan 2020

Access, Excel, PowerPoint, Word 2016 Certification — Microsoft
2018

SKILLS

Languages:	Python, C++, Java, HTML/CSS, Javascript, SAS, SQL
Tools:	Node, Git, Google Cloud Platform, Django, RegEx, MongoDB, Docker, Flask
Manufacturing:	CAD, CAM, Machining and Tooling Knowledge
Soft Skills:	Public Speaking, Leadership, Teamwork