Anmol Maini

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Portfolio: amaini.github.io

EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
Bachelor of Science in Computer Science, Economics, and Data Science   June 2021
Minor in Mathematics

- Optimizing Wagers in Final Jeopardy | Final Project
    - Used Julia libraries juMP and Gurobi to create a linear program for optimizing a mixed strategy for wager-choosing in a 2-player zero-sum Final Jeopardy game
- Internship | Association of Marshall Scholars
    - Created a web crawler with ScraPy and used the Scopus and Twitter APIs in Python to develop a database that allows investors to easily search for information on the social impact of Marshall Scholar Alumni like Ray Dolby

WORK EXPERIENCE

ROSS Stores Inc.   Dublin, CA
Sr. Analyst for Best Practices, Store Operations   March 2023 - Present

- Trained 3 colleagues on Microsoft Power BI, reducing troubleshooting time by at least one hour per week
- Conducted a multivariate regression analysis using Python to determine the impact of various store attributes like kiosk positioning on Self Checkout
- Utilized Excel and Power BI to analyze merchandise organization trends and optimize $1M+ spending on store cleanliness
- Work with business partners to translate requirements into Power BI data models through Power Query
- Managed Self Checkout issues using Jira to track Help Desk tickets across business partners such as IT to optimize how the Self Checkout team is supporting stores
- Owned the store operations workstream for the design of the next generation Self Checkout mobile security device detachers

ROSS Stores Inc.   Dublin, CA
Analyst for Methods Improvement & Store Strategy, Store Operations   September 2021 - March 2023

- Produced 5 PowerBI Dashboards and Excel Workbooks to streamline KPI reporting for the $10M+ Self Checkout project that gets shared with the Senior Vice President of Store Operations
- Developed reporting in Excel that analyzed a variety of self-checkout cash-related metrics such as cash uptime at self-check kiosks and the impact of cash on sales that saved 2 hours of manual reporting each week
- Owned the $50k+ workstream of selecting a mobile security device detacher cart for Self Checkout and collaborated with various business partners like strategic sourcing to have these ordered, shipped, and installed in over 100 stores
- Created a deck and led 2 "Lunch & Learn" sessions for over 10 teammates to support the transition to Microsoft SharePoint for cloud file management saving company resources on local storage
- Visited over half a dozen Ross stores across the country to support the Self Checkout project and led Self Checkout training for the field Regional Vice Presidents
- Executed 6 mix analyses such as tender and inventory mix to inform payroll decisions in our labor model that impact all 1900+ Ross and dd's stores

RELEVANT SKILLS

Data Tools: Python (Pandas, NumPy, Seaborn), Julia

Business Intelligence Tools: Power BI, SQL, Excel