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Top Skills

Statistical Modeling

Data Visualization

Machine Learning

Amy Tang

Master's in Data Science student at University of San Francisco
San Francisco Bay Area

Summary

Master's student in Data Science with a background in Mathematics and Statistics graduating in June 2023. Interested in building impactful machine learning algorithms to solve real-world problems, skilled in natural language processing.

Experience

BlackRock

Data Scientist

November 2022 - Present (7 months)

San Francisco, California, United States

- Developed a chatbot which takes in user input and returns the relevant answer queried from Snowflake, saving over 100 hours of employee time.
- Created end-to-end pipeline for chatbot and deployed to Microsoft teams, providing an interface for the team to easily communicate with the bot and increase efficiency by 500%.
- Improved user experience by 200%, utilizing NLP packages such as nltk, rasa, and sklearn to further advancement of the bot, such as providing the user with different options and clarifying intent.
- Fine-tuned performance of the bot by connecting user interactions with the bot to a table in Snowflake, which can be used to train and further improve the model.

Discovery Inc

Data Scientist

June 2021 - August 2021 (3 months)

- Created a Sankey diagram in Tableau which depicted the path of active Discovery+ subscribers; created a template of the process used to connect and visualize the data, saving 100 hours of employee time
- Generated metadata for the development of a searchable Tableau dashboard glossary, which increased traffic to the Data Science and Analytics team's dashboards by 200%

- Created dashboards in Tableau which visualized customer churn, communicating data-driven insights to non-technical teams and furthering engagement (views) on the Data Science team's dashboards by 100%
- Assembled Shark Week data and created tables in AWS Redshift, saving over 100 hours of employee time by streamlining the process of finding important metrics

First Media US

Data Analyst

February 2021 - June 2021 (5 months)

Los Angeles, California, United States

- Performed statistical tests using R to analyze the difference in performance between Instagram reels and regular videos; presented results and data visualizations to social media team, increasing engagement (likes, comments, shares) on Instagram by over 100%
- Carried out sentiment analysis of Facebook comments, increasing sales by 200%

Associated Students UCLA

2 years

General Ledger Accountant

December 2019 - June 2021 (1 year 7 months)

- Performed reconciliations for over 100 accounts.
- In charge of AP Ratex Allowance, Vendor Debit Summary, credit memos, invoices.

Account Analyst

July 2019 - December 2019 (6 months)

Greater Los Angeles Area

- Compiled month end Accounts Receivable aging report, including monthly reconciliations of \$400,000 in bank statements to the general ledger.

DataRes at UCLA

Data Blog Project Lead

September 2020 - March 2021 (7 months)

- Led a group of fellow students to perform exploratory data analysis, create visualizations, and write a report with our findings.

Education

University of San Francisco

Master of Science - MS, Data Science · (July 2022 - June 2023)

University of California, Los Angeles

Bachelor of Science - BS, Data Theory · (August 2019 - June 2022)