

Amy Tang

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EDUCATION

University of San Francisco

July 2022 – June 2023

Master of Science in Data Science

- Coursework: Machine Learning (Gradient Descent, Naive Bayes, Decision Trees, Random Forest, Logistic Regression, k-means Clustering, XGBoost, Boosting, kNN, Neural Networks, Deep Learning), Relational Databases (SQL), Time Series Analysis, Distributed Data Systems (SparkSQL, MongoDB), Linear Regression Analysis, EDA and Visualization, Experiments in Data Science (A/B testing), Data Engineering (ETL), Data Structures and Algorithms (Object Oriented Programming)

University of California, Los Angeles (UCLA)

September 2019 – June 2022

Bachelor of Science in Data Theory (Statistics and Mathematics)

WORK EXPERIENCE

BlackRock

November 2022 – Present

Data Scientist Intern

- 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
- Spearheaded product development of the bot and created multiple versions for different use cases, expanding the usage of the bot by 300%
- 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
- Wrote documentation regarding the technical process of developing the bot, saving over 100 hours of time for future developers of the bot

Discovery Inc

June 2021 – August 2021

Data Scientist Intern

- 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

February 2021 – May 2021

Data Analyst Intern

- 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%

SKILLS

Python (pandas, numpy, scikit-learn, pytorch, matplotlib, nltk), SQL, Spark/Hadoop/MapReduce, MongoDB, Git/Bash, Microsoft Azure, Google Cloud Platform, AWS