

Sizhe Wang

Carrollton, 75006 • 202-655-6556 • Sally011130@gmail.com

LinkedIn: <https://www.linkedin.com/in/sizhe-wang/> | <https://sizhewang1130.github.io/>

EDUCATION

Lehigh University

July. 2022 – May. 2023

Master of Science in Business Analytics

Relevant Coursework: Data Management, Predictive Analysis, Statistical Computing, Data Science for Finance

American University

Aug. 2018 – Jun. 2022

Bachelor of Science in Finance

Relevant Coursework: Financial Modeling, Investment Analysis, Derivative Securities, Fixed Income

INTERNSHIP EXPERIENCE

USTOSHOP.COM INC

Coppell, Texas

Operation Manager

May 2024-Present

Business Analyst

Oct 2023- Apr 2024

- Created machine learning algorithms to accurately classify the effectiveness of responses to customer email inquiries.
- Designed a natural language processing pipeline to analyze customs clearance documents and truck payments and integrate it into a database for chatbot input processing.
- Created visualizations to represent the status of cargo entry and exit, customer inquiry themes, and implemented cost-control measures to manage labor costs provided by LLM.

Pawfect.LLC

Remote, United States

Data Analyst

Sep 2023-Jun 2024

- Orchestrated website user experience and engagement with Google Analytics and Google Tag Manager by analyzing users' time on page and using Vader packages for sentiment analysis
- Developed and implemented an automated data collection system to extract medicine information from the PetSmart website. Write scripts combining Selenium and BeautifulSoup for web scraping and parsing.
- Automated data upload to Google Sheets using Google Sheets API and gspread library, streamlining data management processes. Optimized script performance, significantly increasing data collection efficiency and reducing manual operation time.

PROJECT EXPERIENCE

JPMorgan Chase & Co. Quantitative Research Virtual Experience Program on Forage

- Completed a simulation focused on quantitative research methods.
- Analyzed a book of loans to estimate a customer's probability of default.
- Used dynamic programming to convert FICO scores into categorical data to predict defaults.

Sentiment Analysis and Web Mining of Amazon Customer Reviews for Scooter Products

- Employed the Selenium package for auto-extraction and processing of Amazon reviews, navigating through each page
- Implemented various ML algorithms and selected Naïve Bayes with Bagging for sentiment classification in Python
- Conducted word cloud and LDA analysis to identify key review terms, guiding product improvement

Multi-class Weather Image Recognition with Deep Learning

- Developed a CNN model pipeline featuring multiple convolution layers and regularization techniques
 - Refined the model through fine-tuning, resulting in a comprehensive report detailing the prediction classification accuracy
- Implemented data augmentation process with the ResNet model, achieving a 100% accuracy rate in weather identification

TECHNICAL SKILLS

Software: Google Analytics, Google Tag Manager, R Studio, Python, Oracle SQL, Tableau, Bloomberg