MIN (MIA) SHI

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EDUCATION

The University of Texas at Dallas	Expected May 2024
Doctor of Philosophy in Political Science	GPA: 3.942/4.0
Master of Science in Social Data Analytics and Research (STEM)	GPA: 3.942/4.0
Master of Science in Business Analytics (STEM) – Data Science Track	GPA: 4.0/4.0

SKILLS

Programming & Tools: Python, R, SQL, SAS, Stata, Tableau, Power BI, Alteryx
Database & Big Data: MySQL, PostgreSQL, Hadoop, Sqoop, Hive, Impala, Pig, Spark
Certificates: Graduate Certificate in Applied Machine Learning, AWS Certified Cloud Practitioner, Google Analytics, Alteryx Designer Core Certificate, Appian Certified Associate Developer, ACCELQ Automation Engineer
Languages: English, Chinese, Japanese

WORK EXPERIENCES

Data Science Student Consultant — Aug. 2023 - Dec. 2023
Working for Onyx CenterSource through The University of Texas at Dallas — *Dallas, TX*
Lead a team to develop an AI-powered online chatbot using SQL, NLP, predictive models, and radio UI interface.

- Utilized NLP and MySQL to analyze and query a vast database of 10 million+ rows, with high ETL efficiency.
- Upgraded payment info query service, reduced response times by 99%, provided prediction for payments.
- Contributed to a 15% increase in user engagement, improving customer satisfaction and company's reputation.

Data Researcher Assistant — May 2020 - Dec. 2023
The University of Texas at Dallas — *Richardson, TX*
Experienced data analyst with a track record of 10+ projects across global health, education, and political economy.

- Led data collection using multiple sampling and survey methods, web scraping for 10+ research initiatives.
- Achieved a 25% reduction in data errors, enhancing statistical model accuracies through proficient data cleaning.
- Managed 5+ junior research assistants for seamless project collaboration and completion.

Marketing Data Analyst — Jul. 2017 - Aug. 2017
Lucion Technology Corp., Ltd. — *China*
Data analyst intern at a tech company, in charge of database management, visualization, and business analysis.

- Enhanced data extraction efficiency by 40% by optimizing user, service order, and billing data in MySQL.
- Visualized complex network structures with Microsoft Visio, aiding structure understanding and decision-making.
- Generated Business Intelligence (BI) reports, extracting insights from user structure and competitor analysis.

PROJECTS

Forecasting Stock Prices Through NLP Examination of Newspaper Articles — May 2023 - Dec. 2023

- Developed automated web scraping for 7,000+ WSJ articles, increasing data acquisition efficiency by 70%.
- Employed various vectorizers for WSJ article analysis, such as Tfidf Vectorizer, n-grams Count Vectorizer, etc.
- Utilized Naïve Bayes and Random Forest models, enhancing S&P 500 prediction accuracy by 12%.

Analytical Insights and Marketing Strategy Guidance for a Food Company — Feb. 2023 - May 2023

- Analyzed 1.3 million raw data records with Python improved metrics extraction by 30% via stochastic processes.
- Created Tableau visualizations via interactive dashboards, increasing data accessibility by 20%.
- Utilized fixed-effect regression and time series models, achieving a 15% improvement in forecasting accuracy.

Big Data Risk Analysis and Data Visualization for a Trucking Company — Aug. 2022 - Dec. 2022

- Processed and analyzed 100MB+ geospatial data with Hadoop, Hive, etc., reducing processing time by 40%.
- Developed Tableau visualizations linked to Hadoop ecosystem, increasing data accessibility by 50%.
- Conducted linear regression and multivariate analysis, contributing to predictive accuracy by 15%.

ORGANIZATIONS

- Member - Data Science Club, UT Dallas
- Member - Texas Dragon Toastmaster's Club

ELIGIBILITY

F1 VISA: Eligible to work in the U.S. on OPT for up to 36 months.