

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
John Forrest Kain Scholarship; Government and Political Science Scholarship	

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
Languages: English, Chinese, Japanese

WORK EXPERIENCES

Data Science Student Consultant	August 2023 - Present
<i>Onyx CenterSource</i> Dallas, TX	
Lead a team to develop an AI chatbot utilizing NLP, predictive models, and large-scale database queries.	
<ul style="list-style-type: none">Utilize NLP and MySQL to analyze and query a vast database of 10 million+ rows, with high ETL efficiency.Develop an AI chatbot that reduced response times by 50% and resolve payment inquiries within minutes, improving customer satisfaction for travel agencies and Online Travel Agency (OTA) partners.Analyze chatbot interactions, resulting in actionable customer insights that informed strategic decisions, marketing efforts, and product/service enhancements, contributing to a 15% increase in user engagement.	
Data Researcher Assistant	May 2020 - Present
<i>School of Economic, Political & Policy Sciences at UTD</i> Richardson, TX	
Experienced data analyst with a track record of 10+ projects across global health, education, and political economy.	
<ul style="list-style-type: none">Led data collection survey in Qualtrics and web scraping using Python and R 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.	
Technology Data Analyst	July 2017 - August 2017
<i>Lucion Technology Corp., Ltd.</i> China	
Data analyst intern at a tech company, in charge of database management, visualization, and business analysis.	
<ul style="list-style-type: none">Enhanced data extraction efficiency by 40% using MySQL, optimizing management of user data, service orders, billing, and network device data.Visualized complex network structures with Microsoft Visio, aiding structure understanding and decision-making.Generated weekly analysis reports, extracting insights from user structure analysis and competitor research.	

PROJECTS

Data Analysis on Trade and Firm Data	May 2023 - August 2023
<ul style="list-style-type: none">Conducted data synthesis on 1.5M+ row datasets, improving predictive accuracy by 15%.Developed machine learning (ML) models, reducing processing time by 20% and enhancing accuracy by 10%.	
Data-Driven Analysis for Food Industry	February 2023 - May 2023
<ul style="list-style-type: none">Analyzed 1.3 million records with Python, identifying critical sales metrics.Created Tableau visualizations, increasing data accessibility by 20%.Utilized SAS for regression and time series models, achieving a 15% improvement in forecasting accuracy.	
Big Data Analytics and Visualization	August 2022 - November 2022
<ul style="list-style-type: none">Processed and analyzed 100MB+ geospatial data with Hadoop, Sqoop, Impala, Pig, and Spark, reducing processing time by 30%.Developed Tableau visualizations linked to Hadoop ecosystem, increasing data accessibility by 25%.Conducted regression models, improving predictive accuracy by 15%.	

ORGANIZATIONS

- Member - Data Science Club, UT Dallas
- Assistant Secretary - Texas Dragon Toastmaster's Club
- Volunteer - Chinese Institute of Engineers/ USA-DFW Chapter

ELIGIBILITY

F1 VISA: Eligible to work in the U.S. for internships and full-time positions for up to 48 months.