

MIN (MIA) SHI

469-403-7557 ◊ minmiashi@gmail.com ◊ [Personal Profolio](#) ◊ [Linkedin](#)

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>	<i>Dallas, TX</i>

Lead a team to develop an AI chatbot utilizing NLP, predictive models, and large-scale database queries.

- 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>	<i>Richardson, TX</i>

Experienced data analyst with a track record of 10+ projects across global health, education, and political economy.

- 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>	<i>China</i>

Data analyst intern at a tech company, in charge of database management, visualization, and business analysis.

- 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

Trade and Firm Data Analysis	May 2023 - August 2023
-------------------------------------	------------------------

- Conducted data synthesis on large-scale datasets exceeding 1.5 million rows, resulting in a 15% improvement in predictive accuracy, while concurrently developing machine learning (ML) models that reduced processing time by 20% and enhanced accuracy by 10%.

Branding Analysis	February 2023 - May 2023
--------------------------	--------------------------

- 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
---	-----------------------------

- Processed and analyzed 100MB+ geospatial data with Hadoop, Sqoop, Impala, Pig, and Spark, reducing processing time by 30%. Developed Tableau visualizations linked to Hadoop, 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.