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
Onyx CenterSource — *Dallas, TX*
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
School of Economic, Political & Policy Sciences at UTD — *Richardson, TX*
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
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% 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 Business Intelligence (BI) reports, extracting insights from user structure analysis and competitor research.

PROJECTS

Data Analytics on Trade and Firm Data — May 2023 - August 2023
- Conducted data synthesis on 1.5M+ row datasets, improving predictive accuracy by 15%.
- Developed statistical data analysis and machine learning (ML) models, reducing processing time by 20% and enhancing accuracy by 10%.

Data-Driven Statistics Analysis for Food Industry — 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 Data 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 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.