

Min (Mia) Shi

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SUMMARY

Dedicated Business Analytics and Data Analytics master student with two years of work experience in data analysis, information management, and database management; Equipped with strong skills in machine learning (ML) and time series model building and validation; Actively seeking 2023 summer intern in Data Analyst/Data Science.

EDUCATION

Ph.D. Candidate in Political Science	Anticipated May 2024
The University of Texas at Dallas, Richardson, TX	GPA: 3.924/4.0
Master of Science in Social Data Analytics and Research	Anticipated May 2024
The University of Texas at Dallas, Richardson, TX	GPA: 3.924/4.0
Master of Science in Business Analytics	Anticipated May 2024
The University of Texas at Dallas, Richardson, TX	GPA: 4.0/4.0

TECHNICAL SKILLS

Programming: Python, R, SQL, Stata
Tools: Alteryx, Tableau, Jupyter Notebook, Excel Charts, R Shiny
Database & Big Data: MySQL, PostgreSQL, Mango DB, Amazon RDS, Hadoop, Sqoop, Hive, Impala, Pig, Spark
Certificate: Graduate Certificate in Applied Machine Learning at UTD, AWS Certified Cloud Practitioner
Languages: English, Chinese, Japanese

PROJECTS

Geospatial Truck Fleet Big Data Analytics and Visualization	August 2022 – November 2022
<ul style="list-style-type: none">Used big data Hadoop ecosystem to process geospatial data ingestion, transformation, and database creationPerformed data exploration and visualization in Tableau by connecting to Hadoop ecosystem serverModeled how factors affect the truck driver risk factor, drew a final report and proposed suggestions on how to lower the probability of large trucks accidents	
Payroll Management System Database Design via MySQL	June 2022 – August 2022
<ul style="list-style-type: none">Led a group of five in conducting business requirements analysis and designing a payroll management database with MySQL consisting of 13 tablesIncreased efficiency in extract-transform-load and payroll database management by 100% via stored functions, procedures, and triggers	
COVID-19 Worldwide Cases Synchronous Dashboard using Tableau	December 2021 – January 2022
<ul style="list-style-type: none">Designed a synchronous Tableau dashboard with advanced interactive functions to explore COVID-19 severityUtilized Tableau to probe the correlation between factors and the severity of COVID-19 by country	

WORK EXPERIENCE

Research Assistant – School of Economic, Political & Policy Sciences at UTD	May 2020 - August 2022
<ul style="list-style-type: none">Accomplished data cleaning of 1212 cross-country surveys in Python, utilized ML models – decision-tree, support vector machine to perform data analysis in R, leading to an increase in prediction accuracy by 80 %Generated an original database of 13 tables containing stock data for S&P 500 companies, GDP data for over 200 countries, and U.S.-China trade-related data which improves the extraction efficiency by 3 timesPerformed visualization in Python, adopted time series GARCH models in modeling the effects of U.S.-China trade conflicts on U.S. companies, with an increase of 20% in accuracy compared to other regression modelsPresented the findings at 2022 International Society for Data Science and Analytics Conference	
Database Management Intern – Lucion Technology Corp., Ltd., China	July 2017 – August 2017
<ul style="list-style-type: none">Collaborated with IT department manager and used MySQL to manage enterprise users’ information, orders of services, billing, and the deployed network devices data, which improved data extraction efficiency by 50%Visualized network structures of Lucion Tech. Corp. in Microsoft VisioCreated over ten BI reports based on analysis of users’ structure, competitors, and market trend	

AWARDS

Government and Political Science Scholarship	<i>by The University of Texas at Dallas</i>	2022
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