

Min (Mia) Shi

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SUMMARY

Dedicated Business Analytics and Data Analytics master's student with three and half years of experience working with diverse types of data; Equipped with strong skills in data visualization, SQL query, big data, machine learning (ML), and time series model building; Actively seeking summer 2023 Data Analyst intern.

EDUCATION

Master of Science in Business Analytics	Anticipated December 2023
2022 The University of Texas at Dallas, Richardson, TX	GPA: 4.0/4.0
Master of Science in Social Data Analytics and Research	Anticipated December 2023
2021 The University of Texas at Dallas, Richardson, TX	GPA: 3.936/4.0
Master of Arts in Political Science	May 2022
2019 The University of Texas at Dallas, Richardson, TX	GPA: 3.936/4.0

TECHNICAL SKILLS

Programming: Python, R, SQL, Stata, SAS

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, Alteryx Designer Core Certificate

Languages: English, Chinese, Japanese

WORK EXPERIENCE

Research Assistant – School of Economic, Political & Policy Sciences at UTD May 2020 – Present

- Accomplished data cleaning of 1212 cross-country surveys in Python, utilized t-tests, correlation analysis, fixed effect regression models to perform data analysis in R
- 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 times
- Performed 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 80% in accuracy compared to other regression models
- Presented the findings at 2022 International Society for Data Science and Analytics Conference

Database Management Intern – Lucion Technology Corp., Ltd., China July 2017 – August 2017

- 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 Visio
- Created over ten BI reports based on analysis of users' structure, competitors, and market trend

PROJECTS

Geospatial Truck Fleet Big Data Analytics and Visualization August 2022 – November 2022

- Used big data Hadoop ecosystem to process geospatial data ingestion, transformation, and database creation
- Performed data exploration and visualization in Tableau by connecting to Hadoop ecosystem server
- Modeled 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

- Led a group of five in conducting business requirements analysis and designing a payroll management database with MySQL consisting of 13 tables
- Increased 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

- Designed a synchronous Tableau dashboard with advanced interactive functions to explore COVID-19 severity
- Utilized Tableau to probe the correlation between factors and the severity of COVID-19 by country

AWARDS

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