

MIN (MIA) SHI

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Skills

Programming	Python, R, SQL, Stata
Visualization	Tableau, Jupyter Notebook, Excel Charts, R Shiny
Database	MySQL, PostgreSQL, Amazon RDS, AWS Azure
Language	English, Chinese, Japanese

Education

Master of Science in Business Analytics The University of Texas at Dallas, Richardson, TX	Anticipated December 2023 GPA: 4.0/4.0
Master of Science in Social Data Analytics and Research The University of Texas at Dallas, Richardson, TX	Anticipated December 2023 GPA: 3.924/4.0
Doctor of Philosophy in Political Science The University of Texas at Dallas, Richardson, TX	Anticipated December 2023 GPA: 3.924/4.0

Work Experience

Database Management Intern <i>Lucion Technology Corp., Ltd., China</i>	July 2017 - August 2017
<ul style="list-style-type: none">Collaborated with IT department manager and used MySQL to manage all enterprise users' information, orders of internet & information services, billing information, and the deployed network devices dataVisualized network structures of Lucion Tech. Corp. using Microsoft VisioCreated over 10 business intelligence (BI) reports based on analysis of users' structure, competitors, and market trends	

Project Experience

Payroll Management System Database Design via MySQL	June 2022 - August 2022
<ul style="list-style-type: none">Conducted business requirements analysis and design with five peopleBuilt a payroll management database with MySQL consisting of 13 tablesCreated stored functions, procedures, and triggers to calculate employees' payroll per two weeks, fill in new employee's information, send PTO reminders automaticallyPerformed extract-transform-load, data cleaning, and query optimization	
Modeling U.S.-China Trade War's effect on U.S. Firms using ML and Time Series	January 2022 - May 2022
<ul style="list-style-type: none">Utilized Pandas, NumPy, Matplotlib & Seaborn in data cleaning, visualization, and transformationLeveraged sentiment analysis to explore how the U.S. frame 2018 U.S.-China trade warApplied regression analysis in exploring the causal mechanism between trade war and S&P 500 revenuesBuilt machine learning (ML) models in predicting the profound influence of the trade war on U.S. firmsUsed time-series GRACH models to evaluate MNCs' revenue & volatility quantified via stock data in StataPresented at 2022 International Society for Data Science and Analytics Conference	
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 among factors and the severity of COVID-19 by countryProduced business intelligence reports based on Tableau visualization results	

Research Experience

Research Assistant <i>The University of Texas at Dallas, Richardson, TX</i>	May 2020 - Present
<ul style="list-style-type: none">Conducted a cross-cultural corruption analysis using regression and t-tests based on a collection of 1212 cross-country surveysCollected data and performed data cleaning of 1291 supreme court cases' schedules, used time-series model in analyzing time gaps	

Awards

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

VISA <i>Eligible to work in the US for internships and full time for up to 36 months</i>
