MIN SHI

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Summary

- Passionate Data Analytic master and Political Science Ph.D. candidate seeking Data Analyst/Data Science Intern
- One and half years of work experience in data analysis, information management, and database management
- Three years of experience in statistical, machine learning & time series methods with Python, R, & Stata
- Strong skills in multiple industry analytical visualization tools, e.g., Tableau, Microsoft Visio, Shiny, etc.

Work Experience

Research Assistant *School of Economic, Political and Policy Sciences, UTD* **2020 - To Date**

- 2020: Collaboratively collected data on the benefits connection among U.S. government officers, senators, representatives, and U.S. firms; Performed detailed data analysis to detect potential financial and social connections
- 2021: Performed highly accurate data collection of all supreme court cases' schedules and basic time gap analysis
- 2022: Generating a database about COVID-19 governmental responses in relation to Ebola preparedness of 249 WHO-reporting nations & regions

General & Database Management Intern *Lucion Technology Corp., Ltd.* **July - August 2017**

- Collaborated with IT department manager in building a database managing all enterprise users' information, orders of internet & information services, billing information, and the deployed network devices data using MySQL
- Built comprehensive network topologies for visualizing network structures of Lucion Tech. Corp. and its users
- Generated business intelligence (BI) reports based on analysis of users' structure, competitors, and market trends

Data Management & Analyst Intern *Jinan Wangjia Education & Technology Corp., Ltd.* **March 2016 - June 2017**

- Assisted the principal in upgrading staff & students information management via excel to Access database system
- Designed questionnaires for monthly course assessments, generated BI report based on the correlation analysis

Projects

Modeling U.S.-China Trade War's effect on MNCs (ML & Time-Series Approach) **January - May 2022**

- Generated a U.S.-China trade database consisting of comprehensive macro and micro data in PostgreSQL, connected database through Jupyter Lab, applied Pandas & NumPy in data cleaning, visualized data via Matplotlib & Seaborn, evaluated the correlation among variables through statsmodels, SciPy, and scikit-learn packages
- Deployed Stata in building GARCH model to evaluate the effects of tariff rates & sentiment changes reflected in U.S. government press releases & official tweets on MNCs' revenue & volatility quantified via stock data

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
- Implemented Tableau story to dig into the factors affecting the severity of COVID-19 by country and found out the deep connection between multiple aspects of factors with COVID-19 severity

Content Analysis of US-China News Articles with Machine Learning **August - December 2021**

- A team project focused on how news organizations frame 2018 U.S.-China trade war during the 2018-2022 period
- Collaborated in data collection, leveraged machine learning skills such as top modeling, sentiment analysis, in exploring the topics covered in the news, implemented time-series analysis in modeling sentiments change tendencies

Technical Skills

Programming Languages & Tools	Python, R, SQL, Stata, LaTeX & TeX; MySQL, PostgreSQL, Tableau, Shiny, Microsoft Office (Excel, Access, Visio, etc.)
Data Analytic Skills	Data Collection, Data Analysis, Data Visualization, A/B test, Information Management, Quantitative Research & Machine Learning
Languages	English, Chinese, Japanese

Education

The University of Texas at Dallas **August 2019 – May 2024** *(Expected)**
Ph.D. in Political Science, specifically International Relations *GPA: 3.917/4.0*

The University of Texas at Dallas **August 2021 – May 2024** *(Expected)**
M.S. in Social Data Analytics and Research *GPA: 3.917/4.0*

Awards

Government and Political Science Scholarship **2022**