

# MIN SHI

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[GitHub Personal Page](#)

## Summary

Trilingual Data Analytics Master and Political Science Ph.D. student looking for a Summer 2022 Data Analyst internship. Accomplished researcher with advanced Python, R, SQL & Stata programming skills. Abundant experience with statistical research methods. Familiar with multiple industry analytical visualization tools, e.g. Tableau, Shiny, R Markdown Dashboard. Strong communication and report writing skills, attention to detail, and excellent at working as part of a team.

## Projects

**COVID-19 Worldwide Cases Synchronous Dashboard using Tableau** December 2021 - January 2022

- Designed a synchronous Tableau dashboard to report worldwide COVID-19 cases synchronously
- Built advanced interactive functions in displaying dynamic positive and death cases by country and by day

**Data Visualization and Correlation Analysis with Multiple Tools** September - December 2021

- A project aimed at exploring the factors that affect World Happiness Index by country, especially during the 2020 pandemic period
- Utilized Python and R in data collection and data cleaning processes
- Deployed Python, R, R Shiny and Plotly Dash in exploring correlation among variables and visualizing the correlations

**Content Analysis with Machine Learning (Team Project)** August - December 2021

- A team project focused on how news organizations frame the 2018 U.S.-China trade war during Trump Era
- Collaborated with programming to optimize data collection and ensure data quality, collected over 1000 sampled news coverage from both U.S. and China sides
- Utilized machine learning skills such as topic modeling, classification & sentiment analysis in exploring the differences in media coverage in China and the U.S.

## Education

**The University of Texas at Dallas** August 2019 – 2024(estimated)  
Ph.D. Candidate in Political Science, Major International Relations, Minor Political Institutions and American Politics  
GPA: 3.907/4.0

**The University of Texas at Dallas** August 2021 – 2024(estimated)  
M.S. in Social Data Analytics and Research  
GPA: 3.907/4.0

**The University of Texas at Dallas** August 2019 – May 2022  
M.A. in Political Science  
GPA: 3.907/4.0

## Research Experience

**School of Economic, Political and Policy Sciences, UTD** Research Assistant May–August 2021  
↔ Prof. Thomas Gray, Prof. Banks Miller

- Conduct research of U.S. Supreme Court cases
- Perform highly accurate, detailed data collection of all cases' schedules and basic time gap analysis

**School of Economic, Political and Policy Sciences, UTD** Research Assistant May–August 2020  
↔ Prof. Jonas Bunte

- Collaboratively conduct research on the benefits connection among U.S. government officers, senators, representatives, and U.S. firms
- Perform detailed data analysis to detect potential financial and social connections

## Selected Course Work

Data Science	Data Analysis	Statistical Methods
Programming for Data Science	OOP in Python	Introduction to Quantitative Methods
ML for Socio-Eco and Geo-Referenced Data	Information Management	Applied Regression
Content Analysis using ML	Data Visualization	Social Science Research Methodology
Applied Data Science with Python	Applied Data Analysis	Regression and Multivariate Analysis

## Technical Skills

<b>Programming Languages &amp; tools Skills</b>	Python, R, Stata, Tableau, SQL, $\LaTeX$ & $\TeX$ , Microsoft Office
<b>Languages</b>	Data Collection, Data Analysis, Data Visualization, Research Design, Quantitative Research & Machine Learning
	English, Chinese & Japanese