Tyler Merrill

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EDUCATION

The University of Texas at Dallas
M.S., Social Data Analytics and Research **December 2025**
Vibhooti Shukla Graduate Fellowship Recipient, Phi Kappa Phi (PKP) GPA 4.0
Graduate Certificate in Spatial Data Science December 2025
B.S., Economics December 2023
Cum Laude, Omicron Delta Epsilon (ODE) GPA 3.86

TECHNICAL SKILLS

R, Python, PostgreSQL, ArcGIS Pro

PROFESSIONAL EXPERIENCE

The University of Texas at Dallas, Richardson, TX June 2023 – August 2024
Graduate Researcher

- Performed regular assessments of the labor market and the state of key industrial sectors in the DFW metroplex.
- Reported on the role key regional variables take in structuring the economic context of North Texas.
- Conducted custom analyses for public and private partners of the university using Microsoft Excel and PowerBI.

ACADEMIC PROJECT EXPERIENCE

Crime and Housing, Spatial Data Science September 2025 – November 2025

- Conducted a relational study between crime levels and housing prices in DFW.
- Analyzed spatially-laden influences on models in Python.

Veterinary Database Application, Information Management January 2025 – May 2025

- Designed and implemented a relational database within PostgreSQL.
- Developed a front-end application for user interface with Shiny.

Housing Survey, Machine Learning February 2025 – March 2025

- Used Texas housing data to perform real estate analysis with R.
- Utilized unsupervised machine learning techniques to identify significant demographic trends.

Labor Market App, Python Programming August 2024 – December 2024

- Built a custom application with Python to display labor market data.
- Incorporated information retrieval via a resting-state API.
- Instantiated user-friendly UI principles to deliver a robust, stand-alone, utility.

Bond Database Mining Study, Methods of Data Collection and Production August 2024 – December 2024

- Utilized text-mining techniques in R to conduct sentiment analysis of bond agreements.
- Delivered paper that informed doctoral-level research in public policy.

Data-breach and Bond Price Study, Knowledge Mining January 2024 – May 2024

- Incorporated machine learning techniques (PCA, Clustering) in R to conduct predictive analysis of local bond prices.
- Delivered paper that informed doctoral-level research in public affairs research.

ADDITIONAL INFORMATION

Eligibility:
US Citizen, Eligible to work in the US for internships and full-time with no restrictions.