

# Dane Winterboer

[DaneWinterboer.24@outlook.com](mailto:DaneWinterboer.24@outlook.com) • (816)-341-1621 • [danewinter.github.io](https://danewinter.github.io)

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## Education

### **Masters of Science in Data Science and Analytic Storytelling**

May 2026

Truman State University

### **Bachelor of Science in Statistics (Concentration in Data Science), Minor in Mathematics**

May 2025

Truman State University

**GPA 3.97/4.00**

## Skills

**Academic Coverage:** Project Management, Data Visualization and Storytelling, Interactive Analytics, Predictive Modelling, Machine Learning, Regression, Classification, Clustering, Deep Learning

**Software/Platforms:** RStudio, DataBricks, Power BI, Tableau, Azure, AWS, MLflow

**Coding:** C++, SQL, R, Python, tidyverse, HTML, Git, Pyspark, ScikitLearn, PyTorch, Seaborn, Plotly

## Professional Experience

### **Data Reporting Developer Intern**

June 2024 – August 2024

Velera

#### ***Enhanced fraud identification machine learning models through feature drift detection***

- Utilized nonparametric methods and metrics that detect drift regardless of data size or shape
- Leveraged parallel and distributed computing to optimize function run time
- Automated the exportation of drift detection reports (readable and reachable by any device in the organization)
- Implemented interactive tables and features into reports to increase readability and data accessibility

### **Tech and Data Specialist**

2023 – Ongoing

University Career Center, Truman State University

#### ***Developed reproducible reports and integrated technology to increase efficiency and productivity***

- Analyzed and reported on qualitative and quantitative data for organizational strategic decision making
- Produced clear and understandable reports regarding University Career Center data for President's office
- Maintained and organized Career Service Manager reports, kiosks, calendars, and student information
- Designed and upgraded data intake methods: surveys, kiosks, QR trackers, etc.

## Undergraduate Research & Projects

### **University Career Center Applet for Student Service Statistics**

2023 – 2024

Truman State University

#### ***Increased organization reporting efficiency, validity, and accessibility***

- Constructed a R-shiny applet that cleaned, organized, and visualized student service data gathered by the University Career Center
- Manufactured application to be scalable to other data sets that are under University Career Center authority
- Restructured data intake methodology for University Career Center
- Met client specific needs: interactive graphics, color blind accessibility, downloadable tables and data sets

### **Testing Training Methods for Aphasia Patient Interactions**

2023 - Ongoing

Center for Applied Statistics and Evaluation, Truman State University

#### ***Provided expert statical consulting to primary researchers***

- Aided researchers in designing experimental and testing methodology
- Researched appropriate non-parametric tests and corrections
- Performed content analysis for interviews and open response questions from medical students and patient actors
- Visualized and tabulated all results into clean, understandable output for publication

## Extracurriculars

- Mock Interview Companion: Raised \$3000 through [Bulldog B.I.T.E.](#) to fund creation of AI mock interview tool
- President of Truman's American Statistical Association Chapter: Facilitated organizational meetings and fostered community within the School of Computer and Data Sciences at Truman State
- MizzouData Fest: Awarded Best-In-Show (2024)