

Nathan Bresette

Kansas City, MO | (816) 969-0150 | [Portfolio](#) | [LinkedIn](#)

EDUCATION

Truman State University, Kirksville, MO

May 2025

- Bachelor's in Statistics with a focus in Data Science; Minor in Mathematics
- Master's in Data Science and Analytical Storytelling (50% completed, transitioned to PhD)

GPA: 3.95/4.00

GPA: 4.00/4.00

University of Missouri, Columbia, MO

Expected May 2028

- PhD in Data Science and Informatics with a concentration in Bioinformatics

SKILLS

Natural Language Processing: BERTopic, LDA, Zero-Shot Classification, Sentiment Analysis, Regex, Tokenization, Lemmatization, Spell-Check, Named Entity Recognition, Text Summarization and Coherence.

Image Classification: MobileNetV2, Diffusion Models, Multi-Class CNN classification, Grad-CAM Visualization.

Numerical Modeling: Logistic and Penalized Regression, Random Forest, Support Vector Machine, Gradient Boosting, Clustering, Dimensionality Reduction.

Databases: SQL, MySQL, NoSQL, PostgreSQL, MongoDB, Neo4J.

WORK EXPERIENCE

Founder

July 2025 - Present

[RgentAI](#) LLC, Overland Park, MO

- Developed intelligent conversation chat system with context indexing, smart response caching, and real-time context summarization for coherent multi-turn conversations.
- Created data science agents with tools including statistical analysis, machine learning modeling, data transformation, data cleaning, and visualization agents.
- Built full-stack web application with Python FastAPI backend, PostgreSQL database, Stripe payment integration, and React frontend, enabling subscription-based access for AI R programming assistance.

Data Science Intern

May 2025 - August 2025

SelectQuote, Overland Park, MO

- Analyzed 10,000+ agent notes using NLP techniques, including preprocessing, BERTopic, LDA, zero-shot classification, and sentiment analysis in Python to extract key sales insights by extracting SQL data.
- Built integer linear programming and greedy optimization models that improved lead conversion by 11%.
- Fine-tuned multiple penalized logistic regression models to address quasi-separation issues, improving model stability and predictive performance in R.

Teacher Assistant: Fundamentals of Data Science

August 2024 - May 2025

Truman State University, Kirksville, MO

- Taught weekly classes to 40 undergraduate students in R, Excel, and PowerBI
- Graded homework and exams, ensuring timely feedback and fair evaluation.

Customer Journey Analyst Intern

May 2024 - August 2024

SelectQuote, Overland Park, MO

- Built predictive model for life insurance applications using feature selection with random forests and forward/backward selection on a cross-validated logistic regression in R with TidyModels.
- Created dashboards and ad hoc visualizations on datasets with over 2,000,000 data points in QuickSight and Excel.
- Conducted A/B testing with T-tests and ANOVAs for time, formats, and wording to improve response rates.

Data Entry & Analysis Intern

March 2023 - December 2023

Lifeline Pregnancy Help Clinic, Kirksville, MO

- Collected and entered survey data while ensuring data integrity through automated workflows.
- Visualized data in Minitab and R for reports to present analysis and findings to the company.

Student Advisor

August 2023 - May 2025

Truman State University, Campbell Apartments, Kirksville, MO

- Offered guidance and support to a diverse group of 70 residents, serving as a reliable resource for academic, personal, and interpersonal challenges.

Awards

ASA Datafest Best in Show (2024, 2025); President/VP's List (2022–2025); Shelter Insurance Scholarship (2024); Student Advisor Growth Award (2024)