

# Elizabeth Gronski

<https://elizabethgronski.portfolial.com/> | [efgronski@gmail.com](mailto:efgronski@gmail.com) | Based in St. Louis, MO, Open to relocation

## EDUCATION

**University of Missouri**, Columbia MO — *M.S. Data Science & Analytics* AUGUST 2024 - MAY 2026

**University of Washington**, Seattle WA — *B.S. Informatics: Data Science* SEPTEMBER 2020 - JUNE 2024

- Awarded the **Scott Barker Award** for exemplifying school values, as recognized by the student body.

## SKILLS

**Statistical Analysis & Modeling** – Hypothesis testing, regression analysis

**Machine Learning** – Supervised and unsupervised learning, classification, clustering

**Data Engineering & Carpentry** – Data collection, transformation, feature engineering, handling missing data

**Geospatial Analysis** – Raster and vector analysis, network analysis, and terrain modeling

## EXPERIENCE

**Avanade**, Seattle WA – *Junior Data Analyst* AUGUST 2023 - AUGUST 2024

- Work with a large IT team and collaborate on updating current software and fulfilling data requests.
- Developed a PowerBI dashboard at Avanade to validate data consistency between two sources, ensuring accuracy and real-time updates for downstream sales teams. This project reduced unnecessary IT support tickets by providing clear data insights, improving efficiency and decision-making.
- Resolved downstream dashboard failures caused by variable name changes, ensuring seamless data flow and accurate reporting.
- Worked within Agile sprints, managing tasks in Azure, and coordinated updates from development to production.

*Tech Stack: SQL • Excel • Git • PowerBI • Azure*

**MU Institute of Data Science and Informatics**, Columbia, MO – *Research Assistant* JANUARY 2025 - PRESENT

- Working in collaboration with USDA to advance soil-health practices and support climate-smart agriculture.
- Created a Missouri spatial dataset with QGIS, integrating soil properties, land use, and climate data.
- Coordinate with counties statewide to compile and standardize crop field usage and location data.

*Tech Stack: QGIS • Excel*

## PROJECTS

**Capstone Project**, ChatGPT Poetry Analysis — *Researcher* JANUARY 2024 - JUNE 2024

- Scraped thousands of poems from the Poetry Foundation and manually curated a dataset from *Norton Anthology of Poetic Forms*
- Used AWS to handle large data volumes; ran Python to automate data scraping and upload to Google Sheets
- Processed data through the ChatGPT API to categorize poems by poetic form and evaluated tagging accuracy
- Provided insights into ChatGPT's understanding of poetic forms and its potential in cultural analytics
- Collaborated with two professors on this capstone project; presented findings at the school's capstone gala
- Published as a research paper and presented at the 2024 Computational Humanities Research Conference

*Tech Stack: Python • R • AWS • Git • ggplot*