

Education

Master of Science in Business Analytics (MSBA)

University of Montana

August 2023 – May 2025

GPA: 4.0*

Bachelor of Science in Management Information Systems (MIS)

University of Montana

August 2021 – May 2023

GPA: 3.88

**Current GPA, grades released in December 2024*

Experience

Graduate Assistant – Research Assistant

The University of Montana

- Streamlined academic workflows by developing custom Google Apps Scripts, automating the generation and delivery of BigQuery-based CSV reports, saving 10+ hours per semester while improving data accessibility for students.
- Supported faculty and students by facilitating group collaboration, resolving conflicts, and enhancing student engagement in assignments, ensuring a cohesive and productive classroom experience.

Craigslist Car – Technical Dashboard

October 2023 - Present

The University of Montana

- Developed centralized analysis platform by architecting ETL pipeline using Python and SQL, turning fragmented vehicle market data across nationwide Craigslist listings (8M+ records), resulting in a clean, standardized dataset enabling cross-market price comparison.
- Identified need for intuitive data exploration interface; developed interactive dashboard using D3.js, Leaflet maps, and custom JavaScript components, enabling users to dynamically filter and analyze vehicles by make, model, year, price range, and location
- Discovered data gaps in geographic price variations; integrated Google Maps API for distance calculations and developed regression models analyzing regional factors, uncovering actionable insights such as accelerated truck sales in Montana and depreciated values in salt-belt regions.

Tutoring – Management Information Systems

January 2022 - May 2024

University of Montana

- Delivered individualized tutoring sessions to over 60 students of varying proficiency levels, contributing to an easy transition from teaching using VB.net to C# for the college. Utilized step-by-step coding walkthroughs and debugging practices.
- Coordinated weekly with three faculty members to align tutoring sessions with course objectives, ensuring consistent support for over 20 group sessions and enhancing student comprehension in programming concepts.
- Analyzed student performance and homework submissions to tailor tutoring method resulting in a 15% increase in student retention from the previous. Customized practice exercises on Github to address individual student challenges in coding and algorithm comprehension.

Technical Skills

- Languages: Python, R, SQL, JavaScript, HTML/CSS, C#, VB.net, Java
- Visualization: D3.js, Shiny, ggplot, Icy, Leaflet Maps, Excel, Tableau, PowerBI
- Database: SQLite, MS SQL Server, Google BigQuery, Data Build Tool (DBT)
- Web Development: Flask, Node.js, Google Cloud Run
- Version Control: Git, GitHub