

Sierra Rae Arnal

91 Wick Oval Apt 2313 Youngstown | www.linkedin.com/in/sierra-arnal | sramal@student.ysu.edu | 740.507.7141

Education

Youngstown State University

College of STEM

Master of Science in Data Science and Statistics

- *Mathematical Association of America (Fall 2022)*
- *Choose Ohio First GrEaT Cohort (Spring 2025)*

Bachelor of Science in Mathematics

Youngstown, OH

Anticipated: May 2025

Overall GPA: 4.0/4.0

December 2024

Work Experience

Student YSU Data Mine Teaching Assistant 1,

Youngstown State University

- Hold office hours to assist students with data mining coursework and projects.
- Lead a division of the Data Mine team, providing guidance and support on data analysis techniques.
- Develop and deliver instructional materials tailored to the Data Mine course.
- Grade assignments and provide constructive feedback to help students improve their skills.
- Collaborate with faculty to enhance the curriculum and incorporate new data mining tools and methods.

January 2025- Present

Youngstown, OH

Data Analyst,

Intentional Development Group

- Manage and analyze large datasets to support business decision-making.
- Develop dashboards and reports using tools like Tableau and Power BI.
- Conduct statistical analysis to identify trends and insights.
- Collaborate with cross-functional teams to implement data-driven strategies.

November 2024- Present

Youngstown, OH

Administrative Assistant/Claims Processing Intern,

AFLAC

- Processed insurance claims by inputting data, verifying policy information, and coordinating with policyholders.
- Maintained electronic and physical filing systems, ensuring documents are organized and easily accessible.
- Assisted in preparing reports, presentations, etc. as needed by the team.
- Collaborated with team members to ensure timely and accurate processing of claims and resolve any discrepancies.

April 2024- June 2024

North Jackson, OH

Asset Management/Sales Intern,

AFLAC

- Managed business assets according to investment goals.
- Met with business owners to examine asset status, needs, risks, goals, and progress.
- Prepared financial statements and business activity reports using MS Excel and CCLM.
- Developed, organized, and maintained business portfolios.

May 2023- August 2023

North Jackson, OH

Legal Assistant,

ZBC Law Firm

- Managed filing of crucial documents with attention to detail, applying organizational and data management skills.
- Facilitated timely client/business tax payments, demonstrating proficiency in financial record-keeping and compliance.

April 2021- June 2022

nMount Vernon, OH

Course Projects

Statistical Review and Social Media Analytics,

Youngstown State University and The Head Spa Studio,

- Analyzed social media data and existing literature to create an action plan for the business's TikTok page.
- Used TikTok analytics to develop strategies for making viral videos and gaining attention.
- Developed data collection methods and ensured data collection accuracy.

December 2024

Undergraduate Data Science Researcher,

Youngstown State University, The Data Mine, and Purdue University

- Collaboration with Travel Centers of America to analyze customer reviews and identify key business insights
- Train to use R, SQL, and Python in TDM 10100 curriculum to process and analyze data
- Apply data mining techniques to extract meaningful patterns from large datasets
- Develop skills in business analytics, customer sentiment analysis, and data visualization

December 2024

Tools and Technology

- **Software:** SQL, Tableau, Blackboard, Microsoft 360, Windows
- **Programming Languages:** Python, R, C++