


MICHAEL HEYLMUN

DATA ANALYST

CONTACT

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SKILLS

Programming Languages: Python, R, C, SAS, MySQL, HTML, CSS, JavaScript

Python Libraries: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn

Data Science Skills: Data cleaning, statistical analysis, and data visualization
Version control with Git and Github

Software & Tools: Power BI, Tableau, Databricks, AutoCAD, SolidWorks, Microsoft Office, Slack, Linux, Windows 11

EDUCATION

Grand Valley State University

Bachelor of Science in Statistics

Minors: Engineering Science and Mathematics

Graduated April 2024

Relevant Coursework:

- Intermediate Applied Statistics
- Mathematical Statistics I
- Mathematical Statistics II
- Design of Experiments
- Applied Regression Analysis
- Statistical Computing and Graphics with R
- Calculus 3
- Linear Algebra and Differential Equations
- Operations Research

REFERENCES

Available upon request.

PROFILE

Detail-oriented and technically skilled Statistics graduate proficient in Python, R, C, SAS, MySQL, Power BI, and Tableau, with a strong foundation in statistical analysis, data visualization, and data manipulation. Experienced in utilizing Python libraries such as Numpy, Pandas, Matplotlib, and Seaborn to analyze and interpret complex datasets. Recently developed my own professional portfolio website using HTML, CSS, and JavaScript, demonstrating technical expertise and a commitment to continuous learning.

WORK EXPERIENCE

Axis Automation | Walker, MI

CNC Machinist

August 2023 - Present

- Operate CNC machines to produce precision components for robotics systems.

Synthetic Applied Technologies | Remote (Austin, TX)

Internship

May 2022 - August 2022

- Conducted simulations of detonations using BlastFOAM, validated data with GNUplot.
- Designed models with BlockMesh and Gmsh, contributing to data validation.
- Conducted research to assess the accuracy of existing models among other projects.

Viking Tool and Engineering | Whitehall, MI

Machinist

June 2019 - January 2021

- Operated milling machines, lathes, and grinders to fabricate components for molds.

PROJECTS

Data Fest Competition

2024

- Participated in a national data analysis competition using data provided by CourseKata.
- Recommended that chapters 5 through 10 of their college textbook be made more challenging and thorough based on consistent activity scores and a significant drop in student engagement, measured by time spent per page, using R, SAS, and Tableau.
- Placed 2nd in visualizations and 1st in collegiality for teamwork among GVSU students.

Studying the Effects of FIT Classes on Academic Performance

Client: GVSU Movement Science Department

2024

- Analyzed the impact of taking a 1-credit FIT class during freshman year on academic success (GPA, retention rates, time to graduation) using R.
- Concluded that there's significant evidence that students that take a FIT class are more likely to be retained for a second year at GVSU.
- Presented findings at Student Scholars Day.

2023

America's Housing Market

- Analyzed U.S. Census data to study trends in housing and rent prices, identifying which demographics were most impacted by changes using R.
- Recognized as the top project in both class sections by the professor.