**Jonah Zembower**

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**Objective**

Seeking a position where I can leverage my meticulous attention to detail, robust analytical capabilities, and strong problem-solving skills. I aim to collaborate effectively with teams to devise innovative solutions to complex challenges.

**Education**

Seton Hill University, Greensburg, PA

***Bachelor of Science in Data Science – Computational Analysis***, May 2025 (GPA 3.63)

***Bachelor of Science in Exercise Science – Health & Fitness Track***, May 2025 (GPA 3.94)

**Overall GPA:** 3.80/4.0

**Honor’s:**

***Dean’s List,*** 6 semesters

***Recipient,*** Data Science Achievement Award x2

**Skills**

**Technology:** Microsoft Office, Excel, PowerPoint, Python, R Studio, Visual Studio, DBMS Software, Jupytr Notebook, Tableau, Power BI, Orange, and HTML/CSS/JavaScript

**Research:** A study presented at the MARC ACSM conference of Fall 2024. This study entails the effects of soccer positions on the heart rate of the DII men’s soccer athletes. Fellow researchers Dr. Brian Larouere, Dr. Jared Burns, and I are assessing positional differences in conjunction with baseline measurement differences.

**Relevant Projects**

**Time Series Analysis:** Applied ARIMA modeling in Python to forecast trends in datasets like sunspots and electricity consumption. Conducted data preprocessing, parameter tuning, and model evaluation to optimize predictions.

**Customer Segmentation:** Performed clustering analysis in Python to categorize customer types based on dataset insights. Applied data-driven techniques to uncover patterns and enhance segmentation accuracy.

**Life Expectancy Analysis:** Analyzed WHO data in Python to predict life expectancy across 183 countries using various contributing variables in multiple regression.

**Database Implementation:** Collaborated on a group project to design a database solution for a fictional company. Developed a comprehensive plan outlining technology, implementation strategy, and cost analysis.

**Multiple Regression Analysis:** Collaborated on a group project using R to analyze datasets on sled load and time, bacterial lifespan, genetic markers in Caiman, and gut bacteria. Performed multiple regression analysis on various potential predictors.

**Portfolio Website:** Designed and developed a website using HTML, CSS, and JavaScript to showcase projects, experience, and activities.

**University / Community Involvement**

***Leader,*** **Fellowship of Christian Athletes:** Fostered spiritual growth and community connection through regular engagement and shared learning. Meetings every Tuesday with presentations from leaders.

***Member,* Exercise Science Club:** Involved in different programming for exercise science on and off-campus.

***Member,* Service Advisory Board:** Develop and lead service projects on and off-campus.

***Member,* NCAA DII Men’s Soccer Team:** Learning teamwork, leadership, and time management.

***Member,* Campus Traditions Committee:** Involved in leading, planning, and maintaining campus traditions.