Steven Lasch

Aspiring data scientist with a passion for machine learning research and development. Expertise in high-level programming languages such as Python, SQL, and R, as well as web-based languages such as JavaScript, HTML, and CSS. Experienced in data visualization, database management, SQL querying, and machine learning.

References available upon request.

LinkedIn
GitHub
Website

Erie, PA
(814) 795-3522
slasch44@lakers.mercyhurst.edu

Work Experience

Data Scientist | Empower AI

April 2022–present

- Build NLP models to translate legacy languages such as Cobol into modern languages such as Python and Java.
- Fine-tune NLP models as necessary based on evaluation metrics.
- Collect, wrangle, and standardize PowerBuilder files from open-source repositories for machine learning.
- Conduct language research on Powerbuilder, Cobol, Ada, and JavaScript.

CIRAT Data Scientist | Mercyhurst University

April 2022–present

- Perform database management using SSMS.
- Implement static analysis and code complexity software.
- Conduct language research on C and C++ linting software.

Computer Science Tutor | Mercyhurst University

September 2021–December 2022

- Provide one-on-one instruction to students in courses involving data structures, data visualization, and machine learning using Python.
- Assist students in enhancing study habits, exam preparation, and critical-thinking.

Writing Consultant | Mercyhurst University

September 2021–May 2022

- Proofread, analyze, and critique student essays and research papers.
- Work with students to increase skills in writing professional research papers.

Technical Skills

Languages

- Python, R, SQL
- LaTeX, HTML, JavaScript, CSS
- Proficient in reading Swedish

Machine Learning and Statistics

- Hugging Face, PyTorch, fastai
- pandas, numpy

Data Visualization and Big Data Analytics

- Plotly, matplotlib, seaborn, ggplot, D3, Tableau
- Apache Spark, SparkSQL

Education

Mercyhurst University

January 2023–May 2025 *(expected)*

GPA: 4.0
Master of Science in Data Science

Mercyhurst University

August 2020–May 2024 *(expected)*

GPA: 4.0
Bachelor of Science in Data Science

- Minor in Religious Studies
- Honors Program

Notable Projects

American Sign Language (ASL) to English translation

- Research current applications of ASL to English.
- Collect, wrangle, and standardize unstructured data for machine learning.
- Employ transfer learning with Hugging Face for gloss to text translation.

Kaggle machine learning notebooks and dataset contributions.

- Implementations of logistic regression and neural networks.