

# STEVEN LASCH

 [steven-l-lasch](#)  
 [github.com/s-lasch](#)  
 [steven-lasch.com](#)

 Erie, PA  
 [slasch44@lakers.mercyhurst.edu](mailto:slasch44@lakers.mercyhurst.edu)

## Work Experience

### Senior Data Analyst | Mercyhurst University

May 2023–present

- Created and disseminated data visualizations and reports to clients using Matplotlib and Pandas.
- Performed search engine optimization, competitor's analysis, target market demand, and demographics analyses to assist small business clientele.

### 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.

### Data Scientist | Empower AI

April 2022–April 2023

- Finetuned pretrained transformers models to translate between legacy and modern programming languages using Hugging Face.
- Collect, wrangle, and standardize PowerBuilder files from open-source repositories for machine learning.
- Conduct language research on Powerbuilder, Cobol, Ada, and JavaScript.

### 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, Git
- $\text{\LaTeX}$ , HTML, JavaScript, CSS

### Machine Learning and Statistics

- Hugging Face, PyTorch, fastai
- Jupyter Notebooks, pandas, numpy, sklearn

### Data Visualization and Big Data Analytics

- Plotly, matplotlib, seaborn, ggplot, D3, Tableau
- Apache Spark, SparkSQL, Google BigQuery
- MySQL, SSMS, PostgreSQL RDBMS

## Education

### 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.