

STEVEN LASCH

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 Erie, PA

EXPERIENCE

Senior Data Analyst | NWPA Beehive Innovation Network

May 2023 – present

- ◇ Assessed niche market demand through market analysis and recommended data-driven actions.
- ◇ Conducted SEO analysis for small business websites to pinpoint areas for improvement.
- ◇ Assisted clients in implementing SEO recommendations, reducing latency by up to 300% and boosting results page rankings.

Data Scientist | Mercyhurst University

Apr. 2022 – Aug. 2023

- ◇ Created and disseminated data visualizations and reports to clients using Matplotlib and Pandas.
- ◇ Created interactive data visualizations and dashboards using Plotly and Pandas.

Data Scientist | Empower AI

Apr. 2022 – Apr. 2023

- ◇ Achieved 90% accuracy in legacy-to-modern code translation using pretrained Hugging Face transformers models.
- ◇ Standardize PowerBuilder files from over 100 open-source GitHub repositories for training data.
- ◇ Deploy static analysis and code complexity tools for file linting and generate a complexity report for C and C++ software.

Computer Science Tutor | Mercyhurst University

Sep. 2021 – Dec. 2022

- ◇ Instructed 5–10 students in Python-based courses covering data structures, data visualization, and machine learning concepts.
- ◇ Support students in improving study skills, exam readiness, and critical thinking.

Writing Consultant | Mercyhurst University

Sep. 2021 – May 2022

- ◇ Proofread, analyze, and critique over 50 student essays and research papers.
- ◇ Work with students to increase skills in writing professional research papers.

EDUCATION

B.S. Data Science (GPA: 4.0) | Mercyhurst University

Aug. 2020 – May 2024

- ◇ Religious Studies Minor
- ◇ Honors Program

TECHNICAL SKILLS

Languages

- ◇ Python, R, SQL, Git, \LaTeX , HTML, JavaScript, CSS

Machine Learning and Big Data

- ◇ Hugging Face, PyTorch, fastai, numpy, pandas, Jupyter Notebooks, PySpark, Snowflake, SparkSQL, Google BigQuery

Data Visualization

- ◇ Plotly, matplotlib, seaborn, Tableau

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.

Artificial Intelligence (AI) and Academics

- ◇ Research ways to use AI solutions to enhance university curriculum.
- ◇ Develop programs to educate professors, students, and other faculty on when, where, and how to use AI as a tool.
- ◇ Assist in creating course content related to Ethics in AI.