


# STEVEN LASCH

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 [steven-l-lasch](#)

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 Erie, PA

## EXPERIENCE

### Senior Data Analyst | Innovation Entente Lab

May 2023 – present

- ◇ Assessed niche market demand through market analysis and recommended data-driven actions.
- ◇ Gained experience creating data visualizations and dashboards for clients.
- ◇ 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 CIRAT

Apr. 2022 – present

- ◇ Data scientist team lead since Jan. 2024 for multiple projects.
- ◇ Created and disseminated data visualizations and reports to clients using Matplotlib and Pandas.
- ◇ Created interactive data visualizations and dashboards using Plotly and Pandas.

### Contract Position - Data Scientist | Empower AI

Apr. 2022 – Apr. 2023

- ◇ Achieved 90% accuracy in legacy-to-modern code translation using pretrained Hugging Face transformers models.
- ◇ Standardize files from over 100 open-source GitHub repositories for machine learning training data.
- ◇ Developed a Postgres database. Experienced with adding values, joining relational databases, and user access management.

## 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, MySQL, 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

- ◇ Lead developer for implementing a chatbot to answer university-specific FAQ for multiple departments.
- ◇ 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.

## PUBLICATIONS

- ◇ [American Sign Language Translation Using Transfer Learning](#)