

Lauri Soome

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EDUCATION

Lehigh University | Master of Science, Data Science | Bethlehem, PA Dec. 2024

- **GPA:** 3.91/4.0, Graduate Assistant for Lehigh Athletics, Lehigh Engineering Ambassador
- **Courses:** Data Mining, Statistical Machine Learning, Data Management, Natural Language Processing

Newman University | Bachelor of Science, Chemistry | Wichita, KS May 2020

- **Capstone Project:** Analysis of CBD oils with LC-MS
- **Activities:** Men's Tennis Team, Scholarship Athlete

RELEVANT EXPERIENCE

Data Philly | Volunteer Organizer | Philadelphia, PA Feb. 2025 – Present

- Volunteer organizer for Data Science Philly, a community-run group that organizes events for people interested in gaining insights from data.

Office of Institutional Data - Lehigh University | Data Scientist | Bethlehem, PA Aug. 2024 – Feb. 2025

Project - Enrollment Likelihood Prediction (Model + UI)

- Developed a replacement for the existing classification model, leading to potential annual savings of **\$250,000** and an increase of institutional yield rate by **16%**.
- Built an accessible, intuitive and visually appealing UI prototype with React.

Project - Research Expenditures Forecasting (Model + Internal Application)

- Developed a regression model to predict research expenditures, achieving **under 2% error rate**, enhancing financial planning and supporting strategic decisions.

Task - Database Documentation

- Led database documentation efforts using **Mermaid JS**, creating detailed **ERDs** that enhanced stakeholder understanding of data flows and architecture.

CycleOne Financial | Data Scientist | Orlando, FL Jul. 2023 – Aug. 2024

- Automated the conversion and storage pipeline of Experian Credit Reports into a database using **Python** and **SQL**, reducing errors and saving over **800 labor-hours** annually.
- Implemented a **classification model** for applicant scoring, reducing unprofitable loan approvals by **7%**.
- Built a comprehensive applicant risk profile by applying feature engineering to in-house and third-party data.
- Developed and maintained a **Retool dashboard** integrated with **Supabase** to visualize real-time loan data, enabling management to monitor performance and optimize lending strategy.

Happy PC | Data Analyst | Remote Jul. 2020 – Jun. 2023

- Developed **5+** comprehensive site selection analyses using **Google Maps API**, **Python**, and **PowerPoint** to identify and rank optimal locations, resulting in the successful launch of **3 new locations**.
- Created and maintained **5+** interactive dashboards and reports for management, sales, and marketing teams using **SQL** and **Power BI**, enabling data-driven decision-making.

PROJECTS

Apple Health Data Parser | [GitHub](#) | [PyPI](#) | Bethlehem, PA Jan. 2025 - Present

- Published a pip-installable **Python** package, implementing XML parsing of Apple Health exports to help in the analysis of user health data.

SKILLS, CERTIFICATES & INTERESTS

Programming & ML: Python, R, JavaScript, MATLAB, Scikit-learn, TensorFlow, PyTorch, MLflow, Git

Data Engineering: SQL, PostgreSQL, MongoDB, AWS Redshift, Spark, PySpark, Hadoop, ETL/ELT, DBeaver

Web Development: Flask, Django, FastAPI, React, Node.js, Express, Tailwind CSS, Jupyter Notebook, Docker

BI & Tools: Tableau, Power BI, Retool, Excel, PowerPoint, Lucidchart, Google Workspace

Certificates: [IBM Data Analyst](#)