

Lauri Soome

Data & Engineering

About Me

My greatest strength is the ability to listen to what the stakeholders really need, then translating that to a data problem – and then delivering a solution. It's all about connecting the dots between business goals and data insights.

Recently Completed Courses:

[Web Systems Programming \(CSE 264\)](#)

Lehigh University

Currently Learning:

[Agentic AI](#)

HuggingFace

[Full Stack Web Development](#)

University of Helsinki

Contact Information

Location: United States

Skills & Expertise

★★★★ Data Science

I have working experience of doing data analysis, building featuresets, and developing machine learning models.

★★★ Data Engineering

I'm proficient in SQL, and familiar with NoSQL (MongoDB) for data storage and manipulation. I'm currently familiarizing myself with Vector databases (Chroma).

★★ BI & Other Tools

Dashboarding: Power BI, Tableau, Streamlit

Diagrams/Presentations:

MermaidJS, PowerPoint

Other Tools: Power Query, Excel

★ Web Development

Full Stack: Django

Backend: FastAPI, Node/Express

Frontend: React

Professional Experience

CycleOne Financial

Data Scientist 2025 February – Current

Data Scientist 2024 June – 2024 August

Data Scientist Intern 2023 July – 2024 May

Office of Institutional Data – Lehigh University

Special Projects Assistant (Contract) 2024 August – 2024 December

Happy PC

Data Analyst 2022 January – 2023 June

Junior BI Analyst 2020 July – 2022 January

Data Philly

Volunteer Organizer 2025 February – Current

Achievements

M.S., Data Science

Lehigh University

3.91 GPA

Lehigh Engineering Graduate Ambassador

- CSE 498: Deep Learning
- CSE 498: Computer Vision
- CSE 447: Data Mining
- DSCI 451: Ethics in Data Science
- DSCI 441: Statistical & Machine Learning
- DSCI 431: Introduction to Statistical Modeling
- DSCI 411: Data Management for Big Data
- DSCI 321: Algorithms and Software Foundations
- DSCI 311: Optimization and Mathematics for Data Science
- DSCI 310: Introduction to Data Science
- BSTA 404: Data Architecture, Mining & Linkage

Data Analyst Certificate

IBM

Completed [IBM Data Analyst Specialization](#).

B.S., Chemistry

Newman University

Capstone project: Analysis of CBD oils using Liquid Chromatography–Mass Spectrometry (LC–MS).

Scholarship Athlete, NCAA Men's Tennis.

Projects

AI Loan Predictor

Machine Learning Project

Python

Scikit-learn

FastAPI

Loan Prediction using Machine learning (Logistic Regression)

- Interactive Demo
- Model Accuracy 91.14%
- Trained on a 58,000+ application dataset

View the project [here](#).

Time Series Forecasting

Analytics Project

Excel

Time Series

12-month forecast, created using the Excel Exponential Triple Smoothing (ETS) function on 36 months of historical data.

- Visualization
- Methodology
- Business Applications

View the project [here](#).

Sales Performance Dashboard

Analytics Project

Power BI

DAX

Data Visualization

Business Intelligence

Interactive Power BI dashboard analyzing multi-year sales performance with comprehensive profit analysis across product categories, territories, and time periods.

Key Features

- **Multi-dimensional Analysis:** Product categories, territories, stores, and time-based views
- **Advanced DAX Calculations:** Custom profit calculations and performance metrics
- **Interactive Visualizations:** Drill-down capabilities
- **Store Performance Tracking:** Manager-specific performance with satisfaction metrics
- **Quarterly & Annual Trends:** Time-series analysis

View the project [here](#).

Additional Info