

CV - Frans Örneholm

Computer Science graduate from Uppsala University with a strong interest in societal issues and a focus on AI, data engineering, and machine learning. Python is my primary programming language, with experience in modelling and data analysis. I have also studied introductory GIS, Economics A and B, and introductory statistics. I am 35 years old, born and based in Uppsala, with previous professional experience primarily in healthcare.

Contact:

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Projects (selection)

Data Engineering: large-scale data processing
-Processing ~20 GB JSON data with PySpark and Spark SQL
-Development of distributed data flows for transformation and analysis
-Conversion and storage in Parquet for efficient processing

Q-bot: automated registration service (full stack)
-Backend in Python with API integration
-Frontend i HTML/JavaScript
-Database with encrypted storage
-Selenium for automation
-Threading for parallelization

Pop-corn bot: AI-based recommendation application
-Integrated machine learning (facial recognition)
-Voice interaction via Furhat
-Connection to LLM for dynamic user experience
-Focus on interactivity

Degree project: machine learning for conflict forecasting
-Spatiotemporal forecasts
-Development and evaluation of ensemble models with Random Forest
-Data processing, model optimization and statistical evaluation

Other:

Language: Swedish (native), English (fluent)
Driving license: B, C

Work experience (selection):

-Self-employed, training AI models (2023 -)
-Writes and reviews code based on specifications
-Works with quality assurance of code generation
-Understanding of structure, clarity and best practices
-Care taker, Psychiatry,Uppsala University Hospital (2018 - 2021)
-Support worker, LSS (2014 - 2017)
-**Textile worker, Uppsala University Hospital (2011-2013)**

Technical skills (selection):

Languages:
Python, R, Java, SQL, JavaScript
Framework & tools:
Git, CI, REST API, Pandas, NumPy, Scikit, Docker, QGIS, Codex
Methods:
Agile development (Scrum, Kanban), test-driven development, code review, user surveys
Other:
Databases, system design, data engineering (batch & streaming), machine learning, AI

Relevant Education:

Bachelor's Program in Computer Science, Uppsala University (2023 - 2026)
-Programming
-Mathematics
-Algorithms and data structures
-Databases and data engineering
-Operating systems, computer architecture
-AI and machine learning (master's level)

Freestanding:
-Economics A and B, Uppsala University (2016 and 2025)
-Introduction to GIS, University of Gothenburg (2022)