

Mårten Saltin

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EDUCATION

Linköping University

B.S. Computer Science and Software Engineering
M.S. AI and Machine Learning

Linköping, SE

Aug. 2021 – June 2024
Aug. 2024 – Present

EXPERIENCE

Speya

AI Engineer

Feb. 2026 – Present

- Built AI sourcing workflows from the agent logic to the chat interface, so users could follow progress live, see which tools were running, stop tasks and pick up earlier sessions.
- Built the Excel workspace, including an interactive spreadsheet editor, an AI agent for working with Excel, and tools for managing, arranging and formatting workbooks.
- Connected Gmail and Outlook so users could draft multiple emails and send them from their own accounts. Set up OAuth authentication and tightened access controls for personal mailboxes.
- Made agents more reliable and efficient with Redis and prompt caching, circuit breakers and fixes based on production traces. Added LangSmith evaluations and resolved bottlenecks in guardrail checks.
- Reworked the sourcing agent into focused agents and subagents, with reusable skill-based instructions to guide how they handle tasks and choose tools.

VOXO AB

AI Engineer

Stockholm, SE

Dec. 2024 – Feb. 2026

- Fine-tuned an automatic speech recognition model, reducing average Word Error Rate from 0.20 to 0.11.
- Developed and deployed a retrieval-augmented generation (RAG) system for customer interactions, data analysis, and automated responses.
- Fine-tuned and benchmarked speaker diarization models to improve speaker recognition.

Junior Developer

Feb. 2022 – Dec. 2024

- Built a scalable AWS data lake using Athena and Glue, audio-data transfer workflows, and a shared Python library for data access and model training.
- Fine-tuned and evaluated an NLP model on AWS SageMaker to detect and anonymize sensitive personal data; developed a transcription spell corrector with over 90% accuracy.
- Built an NLP system that analyzed key events and generated presentation-ready insights, reducing more than 20 hours of manual work to seconds.

AUGMATICA AB

Software Developer

Summer 2024

Stockholm, Sweden

- Developed React components with the team and monitored server performance to support system reliability.

CORE COMPETENCE & SKILLS

Leadership

- Led an eight-student bachelor's thesis team.

Technical Skills

- **Languages:** Python, TypeScript/JavaScript, SQL, C++, C, Java, R, CUDA, C#
- **AI & ML:** LLM agents, LangGraph, LangChain, LangSmith, RAG, NLP, ASR, deep learning, reinforcement learning, computer vision
- **Web & infrastructure:** Nuxt, Vue, React, Strapi, Redis, Ably, OAuth, AWS (SageMaker, S3, EC2, Athena, Glue), Docker, Kubernetes, Git

PROJECTS

Humanoid Robot | ROS 2, Python, C++, TypeScript

Sep. 2021 – Feb. 2023

- Developed object detection and OCR with YOLO, expanded the robot's state machine, and modularized infrastructure with Docker Compose.

Self-Driving RC Car | Python, PyTorch, NumPy, OpenCV

Aug. – Dec. 2022

- Trained a lane-detection model and integrated the car's software components.

AWARDS

Robotics World Cup | Bronze

Summer 2022, Bangkok, Thailand

- Team won bronze at RoboCup 2022 in Bangkok.