

Nadine Lindén Malmberg

Software Engineering Student

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Product-minded Software Engineering M.Sc. student experienced in full-stack development and data infrastructure. Passionate about building products end-to-end and translating ambiguous requirements into functional tools.

Software Engineering Experience

Jan 2026 - Present

Master Thesis Student (SaaS Product Redesign)

Teamtaylor

- SaaS Product Redesign: Contributing to the fundamental redesign of core ATS features to support scalability for both SMB and large Enterprise clients.
- Reducing Technical Friction: Identifying and solving architectural pain points in the "job-to-offer" pipeline, specifically targeting error reduction in automated data entry.
- Prototyping System Logic: Developing high-fidelity prototypes to test new interaction models that unify approval systems and eliminate manual re-entry.

June 2024 - Aug 2024

R&D Software Engineer

NOVO Energy (Joint venture between Northvolt & Volvo Cars)

- Developed Retool applications end-to-end, from designing PostgreSQL tables and S3 storage layouts to implementing the Retool queries and interfaces used in daily research operations.
- Collaborated directly with researchers to translate ambiguous requirements into functional, reliable tools used daily in lab operations.
- Wrote SQL queries and schema migrations to support evolving data needs.
- Used JavaScript within Retool to add dynamic logic and interactive functionality to applications.
- Developed Python scripts for data cleaning and visualization, turning raw lab data into actionable insights.

Jan 2024 - June 2024

Bachelor Thesis (AI-Powered Biomechanical Motion Analysis)

Swedish Athletics Association | Chalmers University of Technology

- Architected a full-stack application (Django/React) that wraps the MotionBERT deep learning model, transforming raw 2D video into interactive 3D biomechanical visualizations.
- Engineered the backend inference pipeline using MMPose, implementing logic to execute 2D-to-3D pose estimation and serialize complex tensor data into JSON for client-side rendering.
- Built a custom dataset pipeline at the Chalmers Physiology Lab using Qualisys motion capture systems, gathering high-fidelity ground truth data to adapt open-source models to real-world running kinematics.

Technologies: Python, PyTorch/TensorFlow, Transformers, MotionAGFormer, Pandas, COCO dataset, Django, React, Qualisys MOCAP

Other Experience

Apr 2023 - Present

Process Specialist at Nordea Bank Abp

Financial administration alongside full-time studies.

Education

Chalmers University of Technology, Gothenburg

Aug 2021 - June 2026

Master of Science in Engineering (Software Engineering)

Specialization in Interaction Design & Technologies

Feb 2025 - Sept 2025

Vienna University of Technology (TU Wien)

Exchange Semester in Computer Science

Additional Information

Software skills

Languages: Python, Java, JavaScript, TypeScript, SQL
Frameworks & Libraries: React, Vue, Django, Flutter
Data & Infrastructure: PostgreSQL, AWS (S3), Git/GitHub
Design & Tools: Figma, HTML/CSS, Retool

Other / Sports

- Competitive tennis player for many years; top 10 nationally in Sweden.
- Elite gymnast for many years, placed top 3 several times in Swedish Championship.