

RESUMÉ - FREDRIK NYSTRÖM

Student at the Computer Science and Engineering division at Chalmers University of Technology

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📍 Gothenburg, Sweden



EDUCATION

Masters in Data Science and AI

Chalmers University of Technology/ETH Zürich

📅 Aug. 2023 – ongoing 📍 Gothenburg, Sweden

- Expected graduation in June 2025.
- Studying at ETH Zürich, Switzerland from Aug. 2023 until July 2024.

Bachelor's Degree Computer Science and Engineering

Chalmers University of Technology

📅 Aug. 2020 – June 2023 📍 Gothenburg, Sweden

WORK EXPERIENCE

Software developer

Axis Communications AB

📅 June 2023 – Aug. 2023 📍 Lund, Sweden

I worked on developing both the frontend and backend for a component information system. My tools of choice were **MySQL, Python/Django, HTML/CSS**, and I worked in a Linux environment. My responsibilities spanned user interface implementation, database design, and data presentation. Axis was very pleased with the result.

Teaching assistant

Chalmers University of Technology

📅 Oct. 2022 – Mar. 2023 📍 Gothenburg, Sweden

I served as a supervisor during exercise and lab sessions in the course "**Introduction to Computer Engineering**". The course included over 350 students and covered topics like **assembly programming, Boolean algebra, circuit design, and hexadecimal number representation**.

Software developer

Axis Communications AB

📅 June 2022 – Aug. 2022 📍 Lund, Sweden

My main responsibility was the development of a user interface for complex measurement equipment. I focused on implementing the UI requirements, using **Python, the Qt GUI framework, and CSS**. Axis was happy with the outcome.

ABOUT ME

I am currently studying my first year at the masters in Data Science and AI at the Computer Science program at Chalmers University of Technology. I consider myself a driven and creative student with a keen interest in programming. Recently I have also started learning more about AI which I believe will play a crucial role in many fields in the future. My objective is to enhance my programming and data science skills, enabling me to work closely with AI. I am open to learning new things and always aim to deliver high-quality results.

RELEVANT COURSES

- Big Data
- Computer engineering project
- Data structure and algorithms
- Databases
- Introduction to data science and AI
- Object-oriented programming

INTERESTS

Skiing Sports Training Traveling

LANGUAGE

Swedish ●●●●●●
English ●●●●●●

TECHNICAL SKILLS

Python ●●●●●●
Java, Javascript, Haskell ●●●●●●
HTML, CSS ●●●●●●
Git, Github ●●●●●●
Office 365, Latex, Markdown ●●●●●●
JSON, XML ●●●●●●
SQL ●●●●●●
C ●●●●●●

SOFT SKILLS

Leadership Pedagogical Structured
Teamwork Time management

PROJECTS

ResumePortfolio

Python, Django, MySQL, Javascript, HTML, CSS

- My personal website fredriknystrom.tech is created with the Django framework. The serverside is hosted via Pythonanywhere. The website contains multiple interactive projects.

Alarm system

C, Latex, GitHub

- In the DAT290 course, I took on the role of project leader for the creation of an alarm system built on a single-chip computer. In addition to coding in C, I ensured everyone was clear on their tasks and priorities. I organized weekly meetings to review our progress. Our efforts resulted in a successful outcome, earning me the top grade.
- The system was developed using C, with Github serving as the version control platform. LaTeX was utilized for documentation.

OTHER MERITS

Computer Science sportscommittee, iDrott

📅 May 2022 – May 2023

- I organized weekly sports events to motivate computer science students to engage in physical activities.
- I served as the team leader for Computer Science soccer team.

Chairman for Housing cooperative Volrat Tham's board

📅 May 2022 – May 2023

- The role involves monthly board meetings where decisions about new memberships, loans, and potential building repairs are discussed.
- I verify supplier invoices and set the agenda for the board meetings.

Swedish Classic Circuit

📅 2022/2023

Adlerbertska Stiftelsernas scholarship

📅 2021, 2022

- Obtained by students who completed all their courses by the end of the academic year.

Driver's license

📅 2019

REFERENCES

References/certificates/grades are brought at interview opportunity or will be sent at request.