RESUMÉ - FREDRIK NYSTRÖM

Student at the Computer Science division at Chalmers University of Technology

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EDUCATION

Master of Science in Computer Science and Engineering
Chalmers University of Technology

📅 aug 2020 – ongoing   📍 Gothenburg, Sweden

- Estimated year of examination 2025

Natural Science Program
Sundsgymnasiet

📅 2017 - 2020   📍 Vellinge, Sweden

WORK EXPERIENCE

Teaching assistant
Chalmers University of Technology

📅 oct 2022 - ongoing   📍 Gothenburg, Sweden

- I am currently working as a supervisor during exercise and lab sessions for 350+ students in **Introduction to computer engineering**. Among the topics covered in the course are assembly programming, Boolean algebra, circuit design and hexadecimal number representation.

Software developer
Axis Communications AB

📅 june 2022 – aug 2022   📍 Lund, Sweden

- I developed a gui using **Python**, **PyQt5** and **CSS** to streamline selection of settings for a machine that tests camera lenses. The development was performed in a group of two and we spent most of time doing pair programming which was a new experience for me. We had weekly meetings with our manager where we presented our progress and recieved feedback. Except for the meetings the work was performed independently and I grew a lot both at personal level and as a programmer. Axis was very happy with our result.

Extra teacher
Studdybuddy

📅 jan 2021 - june 2022   📍 Online

- I taught math and programming to high school students. I developed great patience and learnt how to explain a concept in different ways.

Machine operator
ÅR Carton

📅 2019, 2020   📍 Lund, Sweden

- During the summer 2019 and 2020 I worked as a machine operator at the production line.

ABOUT ME

I am currently studying my third year at the Computer Science program at Chalmers University of Technology. I would describe myself as a driven and creative student with a great interest in programming. My goal is to contribute with and develop my knowledge within programming. I am open to learning new things and always strive to do my very best and deliver a good final result.

RELEVANT COURSES

- Computer engineering project
- Computerstructure and algorithms
- Objectoriented programming
- Machineoriented programming
- Introduction to functional programming
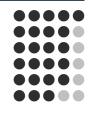
INTERESTS

Training   Fotball   Skiing   Traveling

LANGUAGE

Swedish ●●●●●
English ●●●●○

TECHNICAL SKILLS

Python ●●●●●
Java ●●●●○
Haskell ●●●●○
Git, Github ●●●●○
Office 365 ●●●●○
C ●●●○○

SOFT SKILLS

Teamwork   Leadership   Structured

Time management   Pedagogical

PROJECTS

Alarm system
C, Latex, GitHub

- In the course DAT290 I was the project leader during the development of an alarmsystem consisting of a single chip computer. Besides wrtitng code in **C** I made sure that everyone knew what to work on and prioritize. I arranged weekly meetings where we discussed our progress. The result was good and I recieved the highest grade.
- The system was developed in **C** and **Github** was used for versioncontrol. **Latex** was used as documentation tool.

World Cup Tip
Python, Excel, HTML, CSS

- The first part of the project generates an automated excel sheet created in **Python** making use of the **openpyxl** library. The sheet contains groupmatches where the user has to fill in the result of each match. The winning teams from the group will then automatically be filled in at matches in the playoff bracket.
- The second part of the project is a script that reads excel files and compares them against a file with the correct answers. The score for each tip is stored in a text file.
- The last part of the project is a simple website to show the scoreboard of the participants in the tip. The website was created in **HTML** and **CSS**.

OTHER MERITS

Computer Science sportscommittee, iDrott
📅 may 2022 – ongoing

- I plan and arrange weekly sports to encourge computer science students to perform physical activities.
- I am the team leader for Computer Science soccer team.

Chairman for Housing cooperative Volrat Tham's board
📅 maj 2022 – ongoing

- The work contains monthly boardmeetings where we make decision regarding new members, loans and discuss whether there are any repairs needed for the building. As Chairman I also certify supplier invoices and prepare for the meetings.

Svensk klassiker
📅 2022/2023

Adlerbertska Stiftelsernas scholarship
📅 2021, 2022

Driver's license
📅 2019

REFERENCES

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