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 was 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, binary and hexadecimal number representation.

Software developer
Axis Communications AB

📅 june 2022 – aug 2022   📍 Lund, Sweden
- I developed a gui using **Python**, **PyQt5** and **CSS** for interact a machine that tests camera lenses. The development was performed in a group of two and we spent most of time pair programming which was a new experience 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 as a person and as a programmer. Axis were 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 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 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 coding in **C** I made sure that everyone knew which part they should work on and what to 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 of the project generates an automated excel sheet created in **Python** making use of the **openpyxl** library. The sheet contains matches for the groups where the user has to tip the result of each match. The winning teams from the group will then automitically move on to the next bracket in the playoff and so on.
- The second part of the project is an correction script that reads excel files from a folder and then 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. The website was created in **HTML** and **CSS**.

OTHER MERITS

Computer Science sportscommittee, iDrott
📅 may 2022 – ongoing

- I am active in planning and arranging weekly sports training, to encourge computer science students to 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 make decision regarding new members, loans and discuss wheter we any repairs necessary for the building. As Chairman I also certify supplier invoices.

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.