Curriculum vitae

Felix Nilsson

Graduating Spring 2024

Contact & Links:

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1 Work

Summer 2023 - AI Sweden

For the summer of 2023 I interned at AI Sweden, building a proof of concept of using LLMs as an assistant for doctors and patients. It was a collaboration between AI Sweden and Sahlgrenska University Hospital, where we implemented Retrieval Augmented Generation using python, the OpenAI API, ChromaDB and SvelteKit.

Summer 2022 - Volvo

For the summer of 2022 I worked at Volvo Group IT as an intern with data analysis using Microsoft Azure. We examined a dataset of what documents volvo-mechanics would most often look up when repairing vehicles, and using python, pandas and databricks we produced an analysis of trends in the data.

Summer 2021 - Volvo

During the summer of 2021 I interned at Volvo Group IT, where I worked with the monitoring system Grafana. It was used to monitor different statistics that were relevant to Volvo, such as server memory usage and the number of active support tickets, which was then presented in different dashboards.

2 Education

M.Sc Computer Science Autumn 2022 → Spring 2024

Chalmers University of Technology

During my masters degree my primary focus has been algorithms and topics relating to AI. To give a few examples, I have taken courses on classical algorithms (e.g. P vs NP, graph theory, PTAS), as well as a course in large scale computations, where we worked with Bloom Filters and ApacheSpark for example. Further, I have taken courses covering concepts in AI, like deep machine learning (e.g. CNNs, Transformers) and reinforcement learning for example.

B.Sc Software Engineering Autumn 2019 → Spring 2022

Chalmers University of Technology

For my bachelors degree I had the chance to learn about things like testing, working with agile development, and the principles of object oriented programming, which has been very useful. I also had the chance to try studying more traditional computer science topics like functional programming and cryptography, which would lead me to my choice of master.

3 Skills

3.1 Programming Languages / Technologies

General Purpose Languages

Python , Java, C

Functional Languages

Haskell, Agda, Grammatical Framework

Web Development

React, SvelteKit

Other

Git, Linux, LaTeX

3.2 Human Languages

I am fluent in swedish and english.

For more information, please go to my website linked above.