

Adam Magnusson

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EDUCATION

CHALMERS UNIVERSITY OF TECHNOLOGY

MASTER IN HIGH PERFORMANCE COMPUTER SYSTEMS

BACHELOR IN COMPUTER SCIENCE

LINKS

Github:

github.com/KokoRobinn

LinkedIn:

linkedin.com/in/adam-magnusson

SKILLS

PROGRAMMING

C • Java • C# • Haskell •
Erlang • Elixir • Python •
VHDL • GLSL • Go • CSS •
HTML

OTHER

Embedded Systems • Git •
Hardware Design • Linux •
Parallel Programming

LANGUAGES

Swedish - Native
English - Fluent

REFERENCES

References can be provided at request

ME

Driven by the prospect of personal growth, I am constantly looking for new challenges and opportunities to learn new things. As a master's student at Chalmers University of Technology I developed many of the skills I would now consider core to my main interests within the subject of computer science. These interests are mainly hardware design and low level computing, especially optimizing software with respect to the hardware it will run on.

Building on the interest of optimization, I very much enjoy parallel programming which I have done in several programming languages such as C, Erlang, Elixir, Haskell, Python and CUDA. In my free time I enjoy playing games and spending time with friends and family. I also enjoy tinkering with my server where I engage in various self-hosting endeavors on Linux.

EXPERIENCE

CHALMERS UNIVERSITY OF TECHNOLOGY | TEACHING ASSISTANT | PART TIME
Aug 2022 – Dec 2023

THE BOARD AT THE STUDENT DIVISION FOR COMPUTER SCIENCE AND ENGINEERING | CHAIRMAN
May 2024 - April 2025

RESEARCH

OPTIMIZING STREAM ENGINES FOR USE IN EFP GAS ON RADIATION HARDENED SOCS | MASTER THESIS

Spring 2025 - Chalmers University of Technology

Developed a stream engine for fast yet resource efficient data transfer to a reconfigurable hardware accelerator. Report available at amagnusson.se/files/Msc.pdf

RECONFIGURABLE HARDWARE ACCELERATOR FOR MACHINE LEARNING | BACHELOR THESIS

Spring 2023 - Chalmers University of Technology

Developed a Vector Processing Unit (VPU) to enable hardware accelerated machine learning. Report available at amagnusson.se/files/Bsc.pdf