

Reza Rezvan

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EDUCATION

Chalmers University of Technology

MSc in Data Science & AI

August 2024 - June 2026

- One semester exchange to City University of Hong Kong (CityUHK). Autumn 2024

Chalmers University of Technology

BSc in Computer Science & Engineering

August 2021 - June 2024

- GPA: 4.5/5
- Selected Coursework: Computer science and engineering project (TA), Data structures and algorithms (TA), Principles of Concurrent Programming (TA), Computer system engineering (TA)

RESEARCH EXPERIENCE

ClaudesLens

January 2024 - August 2024

Bachelor's Thesis

Gothenburg, Sweden

- Developed a machine learning framework to measure uncertainty in computer vision models using entropy.
- Led the direction and vision of the project, coordinating focus areas with the supervising professor and team.

PROFESSIONAL EXPERIENCE

Ericsson

June 2024 - August 2024

Software Engineer Intern, Packet Core Team BlackCoffe

Gothenburg, Sweden

- Visualized data from traffic models in Python to better understand how packet traffic behaves.
- Wrote a C++ program that analyzed the packet core repository's CI tests and their relation to each other.

RISN Technologies

February 2024 - Present

Co-Founder

Gothenburg, Sweden

- Co-founded RISN Technologies, a software consultant company
- Consulted a startup and built an integrated RAG system for LLM usage for their surveillance camera data.

Chalmers University of Technology

August 2023 - June 2024

Teaching Assistant

Gothenburg, Sweden

- Worked as a TA in various courses for the Computer Science & Engineering program.
- Helped students understand technical concepts and held sessions and lectures for students.

Huawei

June 2022 - August 2023

Software Engineer Intern

Gothenburg, Sweden

Baseband Laboratory Team

June 2023 - August 2023

- Optimized and parallelized C code through static code analysis, using C++, LLVM, and Clang tools.

5G Wireless & Communications Research Team

June 2022 - Nov. 2022

- Wrote contest problems in C/C++ for a hackathon, engaging over 100 participants for real-world 5G problems.
- Wrote a backend for the hackathon website in Flask (Python) and MySQL along with Matplot visualization.

PROJECTS & COMPETITIONS

LAMS library | *C, Rust, Linear Algebra, Probability & Statistics*

- Wrote a Linear Algebra and Multivariate Statistics library for vectors, matrices, tensors, and distributions

rezvan from scratch | *Python, Jax, Numpy, Tensorflow, Pytorch, Equinox, Optax*

- Implementation of various AI models and concepts, including CNNs, GANs, GPTs, RNNs, and Transformers

Open-Source Contributions

- Contributor to open-source projects as [tinygrad/tinygrad](https://github.com/tinygrad/tinygrad), [ggerganov/ggml](https://github.com/ggerganov/ggml), and various smaller AI repositories.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, Haskell

Developer Tools: Git, Vim, Docker

Libraries: Jax, NumPy, pandas, Tensorflow, Pytorch