# Reza Rezvan

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## EDUCATION

**Chalmers University of Technology**
*MSc in Data Science & AI*                                    *August 2024 - June 2026*

**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)

## 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 entire packet core repository tests and their behavior.

**RISN Technologies**                                         February 2024 - Present
*Co-Founder*                                                  *Gothenburg, Sweden*
- Co-founded RISN Technologies, a software consultant company

**Huawei**                                                    June 2022 - August 2023
*Software Engineer Intern*                                    *Gothenburg, Sweden*
*Software Engineer Intern, Baseband Laboratory Team*          *June 2023 - August 2023*
- Optimized and parallelized C code through static code analysis, using C++, LLVM, and Clang tools.

*Software Engineer Intern, 5G Wireless & Communications Research Team*     *June 2022 - Nov. 2022*
- Wrote contest problems and their solution in C/C++ for a hackathon, engaging over 100 participants in a real-world 5G problem.
- Wrote backend for hackathon website in Flask (Python) and MySQL along with Matplot visualization.

**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.

## PROJECTS & COMPETITIONS

**LAMS library** | *C, Rust, Linear Algebra, Probability & Statistics*
- Wrote a Linear Algebra and Statistics library for vectors, matrices, tensors, and distributions

**Compiler** | *Haskell, Computer Architecture*
- Compiler written in Haskell. Compiles small C-like programs to MIPS assembly.

**rezvan from scratch** | *Python, Jax, Numpy, Tensorflow, Pytorch, Equinox, Optax*
- Implementation of various AI models and concepts, including CNNs, GANs, GPTs, RNNs, and Transformers

**ICPC**
- Placed 3 @ Chalmers as first-year students

**NWERC**
- Placed 107 @ NWERC

**Open-Source Contributions**
- Contributor to open-source projects as tinygrad/tinygrad, 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