

# Reza Rezvan

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## EDUCATION

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### 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)

## PROFESSIONAL EXPERIENCE

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### Ericsson

*Software Engineer Intern, Packet Core Team BlackCoffe*

June 2024 - August 2024

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

*Co-Founder*

February 2024 - Present

Gothenburg, Sweden

- Co-founded RISN Technologies, a software consultant company

### Chalmers University of Technology

*Teaching Assistant*

August 2023 - June 2024

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

*Software Engineer Intern, Baseband Laboratory Team*

June 2022 - August 2023

Gothenburg, Sweden

- 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.

## PROJECTS & COMPETITIONS

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

- Wrote a Linear Algebra and Multivariate 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

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

**Developer Tools:** Git, Vim, Docker

**Libraries:** Jax, NumPy, pandas, Tensorflow, Pytorch