

Reza Rezvan

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EDUCATION

Chalmers University of Technology

Incoming Doctor of Philosophy, Data Science and AI, Multi-Agent Planning

June 22, 2026 — June 2031

- Supervisor: Assistant Professor [Anna Gautier](#)
- Incoming PhD student starting June 22, 2026.

Chalmers University of Technology

Master of Science, Data Science and AI

Aug 2024 — Jun 2026

- One semester exchange to City University of Hong Kong (CityUHK) Autumn 2024
- Thesis: “A Deeper Understanding of Active Feature Acquisition” supervised by Professor [Morteza Haghir Chehreghani](#)

Chalmers University of Technology

Bachelor of Engineering, Computer Science and Engineering

Aug 2021 — Jun 2024

- Thesis: “[ClaudesLens: Uncertainty Estimation in Computer Vision Models](#)” supervised by Associate Professor [Moritz Schauer](#)

RESEARCH EXPERIENCE

AFABench: A Generic Framework for Benchmarking Active Feature Acquisition

June 2025 — June 2026

Chalmers University of Technology

- Research assistant and MSc thesis work on [AFABench](#), a unified benchmarking framework for active feature acquisition.
- Accepted to KDD 2026.

SemlaFlow

June 2025 — August 2025

Chalmers University of Technology

- Research assistant under [Simon Olsson](#), working on scaling [SemlaFlow](#) for molecular dynamics simulations, with a focus on robustness, uncertainty estimation, and efficient sampling techniques.

Causality- Δ : Jacobian-Based Dependency Analysis in Flow Matching Models

January 2025 — June 2025

Chalmers University of Technology

- Research assistant under [Moritz Schauer](#) and [Richard Torkar](#), working on Causality- Δ , investigating the causal structure of flow-matching models and their connections to structural causal models (SCMs) and probabilistic dynamics.

ClaudesLens

January 2024 — August 2024

Chalmers University of Technology

- Bachelor’s thesis under [Moritz Schauer](#), working on [ClaudesLens](#), a framework for investigating uncertainty estimation in computer vision models, with a focus on entropy-based methods and their applications in real-world scenarios.

PREPRINTS AND PUBLICATIONS

- [1] **R. Rezvan**, G. Gille, M. Schauer, and R. Torkar, “Causality- Δ : Jacobian-Based Dependency Analysis in Flow Matching Models.” [Online]. Available: <https://arxiv.org/abs/2602.02793>
- [2] V. Schütz, H. Wu, **R. Rezvan**, L. Aronsson, and M. H. Chehreghani, “AFABench: A Generic Framework for Benchmarking Active Feature Acquisition,” in *Proceedings of the ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, 2026. doi: [10.1145/3770855.3817493](https://doi.org/10.1145/3770855.3817493).
- [3] M. A. Shaar, N. Ekström, G. Gille, **R. Rezvan**, and I. Wely, “ClaudesLens: Uncertainty Quantification in Computer Vision Models.” [Online]. Available: <https://arxiv.org/abs/2406.13008>