



Lovisa Eriksson

Curriculum Vitae

Education

- 2023 – Nu **PhD student with main subject Machine Learning**, Uppsala University, Uppsala.
Preliminary dissertation title: Enhancing Safety and Robustness in Machine Learning for Sequential Decision-Making
- 2021–2023 **Master programme in Data Science**, Uppsala University, Uppsala, *Specialisation: Machine learning and Statistics*.
Thesis: Identifying Linguistic Variants in Middle Low German
- 2022, summer **Dataskyddsjuridik 15 ECTS**, Lund University, Remote, (Data protection law).
- 2018–2021 **Bachelor programme in Mathematics**, Uppsala University, Uppsala.
Thesis: The structure of the recursively enumerable Turing degrees

IT skills

- Languages PYTHON, L^AT_EX, MatLab, JAVA, mySQL, simuLink, PyTorch, SageMath
- Theory Probabilistic Machine Learning, Neural Networks, Logic based AI, Data Mining, Statistics, Natural Language Processing, Database design, Security for machine learning, Control theory, AI ethics, GDPR law, Particle filters, Monte Carlo methods, Probability Theory

Experience

Teaching

- 2023 – **Teaching assistant**, ADVANCED PROBABILISTIC MACHINE LEARNING (2023, 2024, 2025), SYSTEM- OCH OPERATIONSANALYS (2024, 2025), DATA SECURITY AND PRIVACY (2026), TILLÄMPAD SYSTEMANALYS (2024), Uppsala University.
Computer labs, seminars, exercise sessions, supervision, grading
- 2024 – **Subject reviewer, twice**, DEGREE PROJECT E IN DATA SCIENCE, Uppsala,
Title: Impact Evaluation of Poisoning Attacks in Federated Learning Scenarios,
Title: Mitigating Representation Bias in Extremely Imbalanced Dataset via Batch-aware Modulated Generative Adversarial Network.

Positions of trust (selected)

- 2025 – **UHFS board member**, UHFS: UPPSALA HISTORISKA FÄKTSKOLA, Uppsala.

- 2024 – **PhD student representative**, THE BOARD OF UPPSALA UNIVERSITY LIBRARY, Uppsala.
- 2024 – **PhD student representative**, IT DEPARTMENT BOARD, Uppsala University, (2024: deputy, 2025: ordinary.
- 2025 **ITDR board member**, ITDR: PhD STUDENT GROUP FOR REPRESENTATION AT THE IT DEPARTMENT, Uppsala University.
- 2021–2023 **Student representative in programme board**, MASTER PROGRAMME IN DATA SCIENCE, Uppsala University.
- 2022–2023 **President**, MOEBIUS SOL, Uppsala.
- Other**
- 2024, 2025 **SciFest exhibitor**, *Organised the SciFest activities "AI and Trust" (2024) and "AI and Creativity" (2025), together with other PhD students from the Division of Systems and Control.*

Languages

Swedish	Native	
English	Fluent	
Japanese	Basic	(Japanese 1-3, high school)

Interests

- Crafting
- Reading
- Dancing
- Hiking
- Board Games
- Historical European Martial Arts
- Painting
- Dog training