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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

•Master of Science in Data Science

September 2024 – Present

ETH Zürich, Switzerland

GPA: 5.6/6

- Coursework focus: *mathematical foundations* (Mathematics of Data Science, Algorithmic Foundations of Data Science), *machine learning architectures* (Probabilistic Artificial Intelligence, Machine Perception, Deep Learning)
- Specialization: Robotics (Dynamic Programming and Optimal Control, Planning & Decision Making for Autonomous Robots, Recursive Estimation)
- Practical work on application of deep learning to puzzle solving.

•Bachelor of Science in Artificial Intelligence

September 2021 – June 2024

University of Groningen, Netherlands

GPA: 9.3/10

- Holistic degree combining computer science, machine learning, psychology, philosophy, and ethics of AI.
- Extra 85 ECTS in Math & CS: PDEs, Functional Analysis, Computational Complexity, Optimization...
- Extracurricular Honours Programme: 45 ECTS of deepening (research projects in robotics) and broadening (courses from different faculties).

WORK EXPERIENCE

•Research Assistant – part-time

February – August 2025

Oracle Labs Switzerland

Zürich, Switzerland

- I worked with Louis Faucon on using reasoning models in cloud operations: benchmarked efficacy of models for assistance in resolving cloud issues and implemented changes in agentic framework to support reasoning.

•Research Assistant

April 2024

German Research Center for Artificial Intelligence (DFKI)

Bremen, Germany

- I developed and tested online learning framework for robots state estimation accelerated using uncertainty.

•Software Engineer – part-time

February – June 2024

ASML Netherlands

Veldhoven, Netherlands

- I developed and tested factory automation and integration software, which prevents human errors, and thereby decreases iteration time of development.

•Teaching Assistant – part-time

September 2022 – June 2024

University of Groningen

Groningen, Netherlands

- I assisted on teaching courses Calculus for AI, Linear Algebra, Natural Language Processing and Algorithmic Programming Contests. I prepared the content of the course, present it to the students, corrected homework and assisted students during contact sessions.

RESEARCH PROJECTS

•Exploring Double Pendulum Dynamics with Neural Networks (REPORT)

June 2023

Machine Learning Semester Project at Rijksuniversiteit Groningen

- We compared 4 types of neural networks, including Hamiltonian neural network (HNN), on the task of modeling a dynamical system of a double pendulum. We show HNN performs better than PINN for energy conservation.

•Faster Than Verstappen: Optimal Racing Using Model Predictive Control (REPORT)

June 2023

Research Project at Honours College of Rijksuniversiteit Groningen

- I implemented a control algorithm for path-planning of track drive of a formula race car using MATLAB.

PUBLICATIONS

•Modeling of AUV Dynamics with Limited Resources: Efficient Online Learning Using Uncertainty

Published in OCEANS 2025 Brest: [LINK](#)

2025

ACHIEVEMENTS & SCHOLARSHIPS

•Top #50 on ICPC NWERC, international algorithmic programming contest

2023

•Jong Talent Prijs, KHMW award for best performance in first-year of bachelor's degree

November 2022

•TKKF University Scholarship, financial support for talented students abroad

2022 – 2024

•National Round Math Olympiad Czechia, national contest in solving mathematical questions

2021