Lars Quaedvlieg

Research Assistant

🎓 Education

MSc Data Science, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland

September 2022 — July 2024

BSc Data Science and Artificial Intelligence, Maastricht University, The Netherlands

September 2019 — July 2022

- Graduated summa cum laude, 9.50/10 GPA
- Ranked 1st out of 104 students within a similar cohort
- Rewarded 9.5/10 for bachelor thesis "Multi-Agent Reinforcement Learning with Graph Neural Networks for Online Multi-Hoist Scheduling" *(submitted to the AAMAS 2023 conference)*
- Audited master-level courses surrounding Artificial Intelligence

BSc Information Communication Technology, Zuyd University of Applied Sciences, The Netherlands

September 2018 — July 2019

Transferred to an alternative degree to pursue a more mathematical- and research-oriented education

- Cum laude propaedeutic phase, 8.60/10 GPA
- Ranked 1st out of 187 students within a similar cohort

💼 Experience

Research Assistant at EPFL Artificial Intelligence Laboratory

August 2022 — Present

Student research (unofficial, ~8 hours per week) in duplication-differentiation-based hierarchical reinforcement learning (Python)

Part-Time AI Research Intern at Aucos AG, Germany

February 2021 — August 2022

Competences: Python, computer vision, planning, graph representational learning, (multi-agent) reinforcement learning

- Developed a pipeline for multi-camera multi-object tracking through production lines
- Designed and created software for generating optimal production plant schematics
- Devised an approach for optimizing the throughput of production lines

★ Awards and Honours

Master's Excellence Fellowship, EPFL

September 2022

Two-year fellowship valued at 40,000 CHF, awarded to ~3% of admitted master students based on outstanding academic records

Details

Route Louis-Favre 4 G619
Ecublens, 1024
Switzerland
+31 6 28 63 74 93
larsquaedvlieg@outlook.com
lars.quaedvlieg@epfl.ch

Important Links

LinkedIn
GitHub
My interactive book
Coursera Specializations

Programming Languages

Python

Java

SQL

MATLAB, R

C, JavaScript, PHP

Packages

PyTorch, TensorFlow, NumPy, Gym

Languages

English (C2)

Dutch (C2)

German (B1)

French (A2)

Nomination Bachelor Thesis Award, Maastricht University

July 2022

Nomination for the best bachelor thesis in the bachelor Data Science and Artificial Intelligence, cohort 2019-2022 (decision in January 2023)

Honours Student, Maastricht University

February 2021 — August 2022

Participation in the KE@Work honours programme, a part-time research internship in industry

ᕃ Extracurricular Activities

Tutor at Inforca, The Netherlands

September 2018 — July 2022

Tutoring and hosting group exam-preparation sessions for undergraduate students in computer science- and mathematics-related topics

Student Representative at Department of Advanced Computing Sciences

September 2020 — September 2022

One of two student representatives of 800, responsible for raising students' issues, ensuring program quality by renewing study material, extending the curriculum by adding new courses, and looking into internal regulations of the bachelor program

Board Member at MSV Incognito

July 2020 — July 2022

Treasurer, secretary, and community manager at a department-wide study association comprised of 800 members. Organized educational and social events, and launched a series of online sessions with academic and industry researchers

◀ References

Prof. Dr. Karl Tuyls from Google DeepMind

karltuyls@deepmind.com   Game Theory and Multi-Agent Teams Lead

Prof. Dr. Gerhard B. Weiss from Maastricht University

gerhard.weiss@maastrichtuniversity.nl   Full Professor

Prof. Dr. Frank Thuijsman from Maastricht University

f.thuijsman@maastrichtuniversity.nl   Full Professor, Honours Coordinator

Dr. Pietro Bonizzi from Maastricht University

pietro.bonizzi@maastrichtuniversity.nl   Associate Professor, Bachelor Director

Dr. Rico Möckel from Maastricht University

rico.mockel@maastrichtuniversity.nl   Associate Professor, Research Director

Dr. Mirela C. Popa from Maastricht University

mirela.popa@maastrichtuniversity.nl   Assistant Professor