

TRISTAN TOMILIN

PhD Candidate

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EXPERIENCE

PhD Researcher

Technical University of Eindhoven

Nov 2021 – Present Eindhoven, The Netherlands

Machine Learning Engineer

Awaves B.V.

April 2021 – Nov 2021 Eindhoven, The Netherlands

Data Scientist

OpenML

Feb 2021 – April 2021 Eindhoven, The Netherlands

Full-Stack Developer

Nortal AS

April 2019 – Sept 2019 Tallinn, Estonia

Software Developer

Ardera OÜ

Oct 2017 – April 2019 Tallinn, Estonia

Software Engineer

AS SEB Pank

June 2015 – Nov 2018 Tallinn, Estonia

EDUCATION

PhD in Deep Reinforcement Learning

Eindhoven University of Technology

Nov 2021 – Present

MSc in Data Science in Engineering

Eindhoven University of Technology

Sept 2019 – Aug 2021 (GPA: 8.12/10.00)

Thesis: GVizDoom: A Benchmark for Generalization of FPS Games in Deep Reinforcement Learning (Grade: 9/10)

B.Sc. in Information Technology, Informatics

Tallinn University of Technology

Sept 2013 – June 2016 (GPA: 4.45/5.00)

Thesis: Digital Identity Usage Notification Platform (Grade: 5/5)

PUBLICATIONS

- Tristan Tomilin et al. *HASARD: A Benchmark for Embodied Safe Reinforcement Learning*. ICLR 2025.
- Ziyan Wang, Meng Fang, Tristan Tomilin et al. *Safe Multi-agent RL with Natural Language Constraints*. ICLR 2024 (GenAI4DM Workshop).
- Bram Grooten, Tristan Tomilin, et al. *MaDi: Learning to Mask Distractions for Generalization in Visual Deep Reinforcement Learning*. AAMAS 2024.
- Tristan Tomilin et al. *COOM: A Game Benchmark for Continual RL*. NeurIPS 2023.
- Tristan Tomilin et al. *LevDoom: A Benchmark for Generalization on Level Difficulty in RL*. IEEE CoG 2022.

ACADEMIC ENGAGEMENT

Peer Review

ICLR, NeurIPS, ICML

Reviewed papers for top-tier AI conferences.

Grants



NeurIPS 2023 Travel Grant

Awarded travel funding by the conference organizers.



AAMAS 2024 Travel Grant

Awarded travel funding by the conference organizers.

Invited Talks

- TU Delft
- RLChina – Virtual seminar
- UoE Agents Group – Virtual seminar

Research Visits

- UTS – Prof. Ling Chen’s group 2024
- UMD – Prof. Tianyi Zhou’s group 2023

Professional Development

- DLRL 2024 Summer School
- ESSAI 2023 Summer School

RESEARCH INTERESTS

Generalization in RL

Safe RL

Continual RL

Multi-agent RL

Benchmarking RL

Game AI