

Giovanni Varricchione

Personal info

Address: Buys Ballotgebouw 5.24, Princetonplein 5, Utrecht, Netherlands

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Education

Universiteit Utrecht

March 2021 - (in progress)

PhD in Formal Modelling of Intelligent Agents and Multi-Agent Systems

- Intelligent Systems Group
- Supervised by Dr. Brian Logan and Prof. Dr. Mehdi Dastani
- My research focuses on Logic-based approaches to (Safe) Reinforcement Learning

Universiteit van Amsterdam

September 2019 - April 2021

MSc in Logic

- Thesis: Complexity of Locally Fair Allocations on Graphs
- GPA: 8.97/10 (*cum laude*)

Università degli Studi di Roma "La Sapienza"

September 2018 - August 2019

MSc in Computer Science (not completed)

- Classes taken: Models of Computation, Machine Learning, Mathematical Logic for Computer Science, Biometric Systems, Natural Language Processing

Università degli Studi di Roma "La Sapienza"

September 2015 - October 2018

BSc in Computer Science

- Thesis title: Automatic Versions of Combinatorics Theorems
- Grade: 110/110 (*cum laude*)

Publications

Synthesising Reward Machines for Cooperative Multi-Agent Reinforcement Learning

GV, Natasha Alechina, Mehdi Dastani, and Brian Logan. In *Proceedings of the 20th European Conference on Multi-Agent Systems (EUMAS 2023)*.

Pure-Past Action Masking

GV, Natasha Alechina, Mehdi Dastani, Giuseppe De Giacomo, Brian Logan, and Giuseppe Perelli. In *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI 2024)*; *Safe, Robust and Responsible AI track*. [to appear]

Personal skills

<i>Languages</i>	Italian (native) English (fluent) Dutch (beginner)
<i>Programming Languages</i>	C, C++, Java, Python