Oliviero Nardi

Ph.D. Candidate

Education

2022 April – Present — **Ph.D. Candidate (MSCA)**, *TU Wien*, Austria.

Supervisor: Stefan Woltran
Programme: LogiCS@TUWien
Area: Logical methods in Computer Science
Funding: Co-funded by the European Union as part of the Marie Skłodowska-Curie Actions (MSCA).

2019 September – 2021 July — **Master's Degree in Artificial Intelligence**, *University of Amsterdam*, The Netherlands.

Thesis title: A Graph-Based Algorithm for the Automated Justification of Collective Decisions
Supervisors: Arthur Boixel and Ulle Endriss
Final evaluation: Graduated *Cum Laude*
GPA: 9.3/10

Selected coursework: Computational Social Choice, Game Theory, Knowledge Representation and Reasoning, Machine Learning, Reinforcement Learning, Evolutionary Computing

2016 September – 2019 July — **Bachelor's Degree in Computer Science**, *University of Verona*, Italy.

Thesis title: Control of a Robotic Arm through Reinforcement Learning
Supervisor: Alessandro Farinelli
Final evaluation: 110/110 *Cum Laude*
GPA: 29.9/30

Selected coursework: Logic, Foundations of Computing, Algorithms and Data Structures, Databases, Programming Languages, Compilers, Linear Algebra, Calculus

2011 September – 2016 July — **High School Diploma in Scientific and Technological Studies**, *"L. Da Vinci" High School*, Italy.

Final evaluation: 97/100

Work experience

2022 – 2023 (December – January)
Teaching Assistant in the "Scientific Research and Writing" seminar for Bachelor's Degree in Informatics, *TU Wien*, Austria.
Duties: Grading seminar theses

2022 – 2022 (October – November)
Teaching Assistant in Formal Methods in Computer Science, *TU Wien*, Austria.
Duties: Preparing and grading homework

2021 – 2022 (September – February)
Research Assistant at the Computational Social Choice Group, *Institute for Logic, Language and Computation (ILLC)*, University of Amsterdam, The Netherlands.
Duties: Writing scientific papers, developing software for research purposes

2020 – 2021 (October – January)
Teaching Assistant in Natural Language Processing, *University of Amsterdam*, The Netherlands.
Duties: Giving tutorials, assisting students, grading homework

Awards

2022 **UvA Thesis Prize 2022**: University-wide winner (*link*)

Language Skills

Italian **Native speaker**
English **Fluent speaker**

Computer skills

Programming Languages

Fluent Python, Java, C, MATLAB
Intermediate Haskell, Prolog, Scheme, JavaScript

Other

LaTeX, HTML, CSS, Flask, Answer Set Programming, SQL, Bash scripting, Scientific Python libraries (Numpy, Pytorch, Pandas, Nltk)

Other courses

Winter 2015 **Algorithms and Problem Solving**, *University of Verona*, Italy.
Part of the "Tandem Project" with the University of Verona and "L. Da Vinci" high school. Final grade: 30/30 *Cum Laude*.

Winter 2014 **Algorithms and Coding**, *University of Verona*, Italy.
Part of the "Tandem Project" with the University of Verona and "L. Da Vinci" high school. Final grade: 30/30 *Cum Laude*.

Publications

Martin Lackner, Jan Maly, and Oliviero Nardi. Free-Riding in Multi-Issue Decisions. In *Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023)*. IFAAMAS, May 2023. To appear.

Michele Ambrosi, Francesco Beltramini, Federico De Meo, Oliviero Nardi, Mattia Pacchin, and Marco Rocchetto. The Etiology of Cybersecurity. In *Applied Cryptography and Network Security Workshops (ACNS Workshops 2022)*, September 2022.

Arthur Boixel, Ulle Endriss, and Oliviero Nardi. Displaying Justifications for Collective Decisions. In *Proceedings of the 31st International Joint Conference on Artificial Intelligence (IJCAI 2022)*, July 2022. Demo Paper.

Oliviero Nardi, Arthur Boixel, and Ulle Endriss. A Graph-Based Algorithm for the Automated Justification of Collective Decisions. In *Proceedings of the 21st International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2022)*. IFAAMAS, May 2022.

Oliviero Nardi. A Graph-Based Algorithm for the Automated Justification of Collective Decisions. Master's thesis, University of Amsterdam, ILLC, July 2021. Winner of the UvA Thesis Award 2022.