

# Oliviero Nardi

## Curriculum Vitæ

Institute of Logic and Computation, room HA0307  
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📄 olinarr.github.io

*PhD student interested in Computational Social Choice.*

### Education

- 2022 – Present **PhD student (MSCA)**, TU Wien, Austria.  
Apr
  - *Supervisor*: Stefan Woltran
  - *Programme*: LogiCS@TUWien
  - *Funding*: Marie Skłodowska-Curie Action (COFUND)
- 2019 – 2021 **MSc in Artificial Intelligence (cum laude)**, University of Amsterdam, The Netherlands.  
Sep Jul
  - *Thesis*: A Graph-Based Algorithm for the Automated Justification of Collective Decisions
  - *Supervisors*: Arthur Boixel and Ulle Endriss
  - *GPA*: 9.3/10
- 2016 – 2019 **BSc in Computer Science (cum laude)**, University of Verona, Italy.  
Sep Jul
  - *Thesis*: Control of a Robotic Arm through Reinforcement Learning
  - *Supervisor*: Alessandro Farinelli
  - *Final evaluation*: 110/110 cum laude
  - *GPA*: 29.9/30

### Employment

- 2022 – Present **University Assistant**, TU Wien, Vienna, Austria.  
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- 2021 – 2022 **Research Assistant**, Institute for Logic, Language and Computation, Amsterdam, The Netherlands.  
Sep Feb
- 2020 – 2021 **Teaching Assistant**, University of Amsterdam, Amsterdam, The Netherlands.  
Oct Jan

### Awards

- 2022 **UvA Thesis Prize 2022**: University-wide winner of the best thesis award  
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### Teaching Experience

- Winter semesters **Formal Methods in Computer Science**, MSc in Logic and Computation, TU Wien.  
2022–2023 Preparing and grading homework.
- Winter semester **Scientific Research and Writing**, BSc in Informatics, TU Wien.  
2022 Grading seminar papers.
- Winter semester **Natural Language Processing**, MSc in Artificial Intelligence, University of Amsterdam.  
2020 Giving tutorials, grading homework and exams.

### Computer Skills

#### Programming Languages

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

#### Other

L<sup>A</sup>T<sub>E</sub>X, HTML, CSS, Flask, Answer Set Programming, SAT Solvers, Bash, Scientific Python libraries (Numpy, Pytorch, Pandas, Nltk)

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## Language Skills

Italian Native speaker  
English Fluent speaker

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## Extra Courses

- Winter 2015 **Algorithms and Problem Solving**, University of Verona, Italy, 30/30 cum laude.  
Part of the “Tandem Project” with the University of Verona and “L. Da Vinci” high school.
- Winter 2014 **Algorithms and Coding**, University of Verona, Italy, 30/30 cum laude.  
Part of the “Tandem Project” with the University of Verona and “L. Da Vinci” high school.

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## Academic Activities

I have served as a subreviewer for the international journal *Algorithmica*, and the *ECAI 2023*, *AAMAS 2024* and *IJCAI 2024* conferences.

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## Talks

- July 2023 **COMSOC 2023**, Beersheba, Israel.  
Title: “Repeated Fair Allocation of Indivisible Items”.
- June 2023 **AAMAS 2023**, London, UK.  
Title: “Free-Riding in Multi-Issue Decisions”.
- July 2022 **IJCAI 2022**, Vienna, Austria.  
Title: “Displaying Justifications for Collective Decisions” (demo paper).
- May 2022 **AAMAS 2022**, Online.  
Title: “A Graph-Based Algorithm for the Automated Justification of Collective Decisions”.

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## Publications

### Conference publications

Michael Bernreiter, Jan Maly, Oliviero Nardi, and Stefan Woltran. Combining Voting and Abstract Argumentation to Understand Online Discussions. In *Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)*. IFAAMAS, May 2024.

Ayumi Igarashi, Martin Lackner, Oliviero Nardi, and Arianna Novaro. Repeated Fair Allocation of Indivisible Items. In *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI 2024)*. AAAI Press, February 2024. Early version presented at COMSOC 2023.

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.

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.

### Theses

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.