

# Curriculum Vitae

Stelios Triantafyllou

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Athens, Greece | 19.12.1995  
WORK ADDRESS: Campus E1 5, Saarbrücken, Germany  
CONTACT: [strianta@mpi-sws.org](mailto:strianta@mpi-sws.org)  
WEBSITE: [stelios30.github.io](https://stelios30.github.io)

## HIGHER EDUCATION

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09/2020 - TODAY PhD Student in Computer Science  
Max Planck Institute for Software Systems, Germany  
Supervisor: Dr. Goran Radanovic  
Interests: *Causality, Reinforcement Learning, Algorithmic Game Theory*  
Anticipated graduation date: 10/2025

10/2013 - 10/2019 Integrated Master of Electrical and Computer Engineering (MEng ECE)  
National Technical University of Athens, Greece  
Concentration field: *Information Technology*  
Course-Streams: *Computer Systems, Computer Software, Mathematics, Telecommunication Systems and Computer Networks*  
Diploma Thesis: [Game-Theoretical Models for Orienteering Problems](#)  
Thesis Advisor: Prof. Dimitris Fotakis  
GPA: 8.34/10

## LIST OF PUBLICATIONS

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- S. Triantafyllou, A. Sukovic, D. Mandal, G. Radanovic. Agent-Specific Effects: A Causal Effect Propagation Analysis in Multi-Agent MDPs. In Proc. of the 41st International Conference on Machine Learning (ICML'24), 2024 (to appear)
- Ben Rank, S. Triantafyllou, D. Mandal, G. Radanovic. Performative Reinforcement Learning in Gradually Shifting Environments. In Proc. of the 40th Conference on Uncertainty in Artificial Intelligence (UAI'24), 2024 (to appear)
- S. Triantafyllou, G. Radanovic. Towards Computationally Efficient Responsibility Attribution in Decentralized Partially Observable MDPs. In Proc. of the 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS'23), 2023
- S. Triantafyllou. Forward-Looking and Backward-Looking Responsibility Attribution in Multi-Agent Sequential Decision Making. In Proc. of the 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS'23), Doctoral Consortium, 2023
- D. Mandal, S. Triantafyllou, G. Radanovic. Performative Reinforcement Learning. In Proc. of the 40th International Conference on Machine Learning (ICML'23), 2023
- S. Triantafyllou, A. Singla, G. Radanovic. Actual Causality and Responsibility Attribution in Decentralized Partially Observable Markov Decision Processes. In Proc. of the 5th AAAI/ACM Conference on AI, Ethics, and Society (AIES'22), 2022
- S. Triantafyllou, A. Singla, G. Radanovic. On Blame Attribution for Accountable Multi-Agent Sequential Decision Making. In Proc. of the 35th Conference on Neural Information Processing Systems (NeurIPS'21), 2021

## Workshop papers

- S. Triantafyllou, A. Sukovic, Y. Zolfimoselo, G. Radanovic. Counterfactual Effect Decomposition in Multi-Agent Sequential Decision Making. 9th Causal Inference Workshop at UAI, 2024

## WORK EXPERIENCE IN CS

12/2019 - 08/2020	Programmer/Analyst <i>Hellenic Republic Ministry of Defence</i> As part of my ( <b>compulsory</b> ) military service in the Hellenic Air Force
02/2020 - 05/2020	Research Group Member <i>Lab of Geometric &amp; Algebraic Algorithms, NKUA</i> <b>Research Focus:</b> <i>Capacitated Vehicle Routing Problem with Time Windows for Retail Distribution of Fuel Oils</i>
05/2019 - 07/2019	Research Intern <i>Broadband Wireless and Sensor Research Lab (BWise), AIT</i> <b>Research Focus:</b> <i>Software Defined Radios</i>

## TEACHING

	TUTOR: <a href="#">Accountable AI Through the Lens of Causality</a> Seminar, Saarland University, SS 2023 <a href="#">Causal Inference for Decision Making</a> Lightning Tutorial, MPI-SWS, Jan 2024
GRADUATE TEACHING ASSISTANT:	<a href="#">Generative AI</a> Advanced Course, Saarland University, WS 2024 <a href="#">Multi-Agent Reinforcement Learning</a> Seminar, Saarland University, WS 2020
UNDERGRADUATE TEACHING ASSISTANT:	<a href="#">Algorithmic Data Science</a> Graduate course, NTUA, SS 2019, <a href="#">Algorithms and Complexity</a> Undergraduate course, NTUA, WS 2018

## SELECTED SEMINARS

06/08/2019 - 11/08/2019	<i>The Cornell, Maryland, Max Planck Pre-doctoral Research School 2019</i>
11/12/2018 - 16/01/2019	<i>Optimization and Machine Learning Seminar (CoReLab NTUA, Greece)</i>
02/07/2018 - 12/07/2018	<i>Summer Course on Computational Cryptography and Digital Security (KU Leuven, Belgium)</i>

## CODING SKILLS

PROGRAMMING LANGUAGES:	Python, C
MACHINE LEARNING:	PyTorch, Numpy, Pandas

## VOLUNTEERING EXPERIENCE

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09/2017 - 08/2018	<u>Corporate Relations Coordinator</u> <b>Local Board of European Students of Technology (BEST) Group Athens</b> <ul style="list-style-type: none"><li>• <i>Coordinating the fundraising team of LBG Athens</i></li><li>• <i>Being member of the local board</i></li></ul>
11/2016 - 05/2017	<u>Topic Responsible</u> <b>European BEST Engineering Competition (EBEC) Greece 2017</b> <ul style="list-style-type: none"><li>• <i>Designing the tasks of the Greek National Round of EBEC</i></li><li>• <b>1st place EBEC Task Award in the category of Case Study</b> (<a href="#">task</a>)</li><li>• <b>3rd place EBEC Task Award in the category of Team Design</b> (<a href="#">task</a>)</li><li>• <i>Golden Cogwheel Award for competition quality</i></li></ul>

## LANGUAGES

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GREEK:	Native
ENGLISH:	Proficiency C2 Level Certification, University of Michigan
GERMAN:	Intermediate B1 Level Certification, Goethe Institut