

Diego Calanzzone

Researcher in Deep Learning. Computer scientist.

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EDUCATION

MILA / Université de Montréal	Montréal, Quebec
<i>Ph.D. in Computer Science Supervisor: Pierre-Luc Bacon</i>	2025 - Present
University of Trento	Trento, Italy
<i>M.Sc. Artificial Intelligence Systems Grade: 100/100 (with honours and maximum grades)</i>	2022 - 2025
University of Leeds	Leeds, UK
<i>B.Sc. Computer Science Erasmus+ Exchange Grade: I° (first)</i>	2019 – 2020
University of Parma	Parma, Italy
<i>B.Sc. in Computer Science Grade: 110/110 (top 2%)</i>	2018 – 2021
Mediterranean Machine Learning Summer School (2024, 2023)	Italy, Greece
<i>Hosted by Google DeepMind. Acceptance rate: ~ 20%.</i>	Sept. 2024, Aug. 2023
The Cornell, Maryland, Max Planck Pre-doctoral Research School (2023)	Saarbrücken, Germany
<i>Hosted by Max Planck Institute for Software Systems. Acceptance rate: ~ 10%.</i>	Aug. 2023

PROFESSIONAL EXPERIENCE

Research Intern MILA Quebec AI Institute	May 2024 - March 2025
• Methods in Reinforcement Learning from Human Feedback applied for drug discovery.	
Co-founder Campo Digitale S.r.l.	Mar. 2020 – Dec. 2021
• Slow food e-commerce, group purchasing organization. ERP development, backend engineering. • Awards: Hack4Italy (now “The Global Hack”) 2020 Winners, Officine Italia Winners.	
Freelance Software Engineer EDEMPG Comunicazione S.r.l.	Feb. 2018 - Feb. 2021
• Coordinated the software development team. Developed custom softwares for HR, CMS, newsletter marketing. Social media analysis (instagram, facebook) and data collection for ads. Server administrator.	

PUBLICATIONS

Mol-MoE: Training Preference-Guided Routers for Molecule Generation	Feb. 2024
<i>D. Calanzzone, P. D’Oro, P.L. Bacon</i>	
• ICLR 2025 Workshop on Generative and Experimental Perspectives for Biomolecular Design	
Logically Consistent Language Models via Neuro-Symbolic Integration	Sept. 2024
<i>D. Calanzzone, A. Vergari, S. Teso</i>	
• NeurIPS 2024 Workshop on System 2 Reasoning at scale.	
Towards Logically Consistent Language Models via Probabilistic Reasoning	May. 2024
<i>D. Calanzzone, A. Vergari, S. Teso</i>	
• ICLR 2024 Workshop on Reliable and Responsible Foundation Models.	
An open source perspective on AI and alignment with the EU AI Act	Aug. 2023
<i>D. Calanzzone, A. Coppapi, R. Tedoldi, G. Olivato, C. Casonato</i>	
• IJCAI 2023 Workshop in AISafety, SafetyRL.	

PRESENTATIONS

Acquiring Complex Concepts with Comparative Learning <i>D. Calanzone, F. Merlo, R. Bernardi</i>	Apr. 2024
• Project presented at CORE 2024 Workshop at Universitat Pompeu Fabra.	
An open source perspective on AI and alignment with the EU AI Act <i>D. Calanzone, A. Coppari, R. Tedoldi, G. Olivato, C. Casonato</i>	Aug. 2023
• Oral presentation at IJCAI 2023 AISafety, SafetyRL Workshop.	
Learning Transferable Visual Models From Natural Language Supervision <i>D. Calanzone</i>	Nov. 2021
• Language grounding. "Learning with limited labeled data" seminar, University of Tuebingen (github).	
From CNNs to Transformers <i>D. Calanzone, N. Zanichelli</i>	Feb. 2021
• Presentation on vision benchmarks for CNNs and Vision Transformers, presented at the Italian Association for ML.	

SERVICE & COMMUNITY

Volunteer Mediterranean Machine Learning School	Sept. 2023 – Present
• Organizer of reading groups, meetups, talks; manager of the community Discord channel.	
Mentee LeadTheFuture	Oct. 2021 – Present
• Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20%.	
Tutor Mediterranean Machine Learning School	Sept. 2024
• Creator and tutor for the Reinforcement Learning Lab Tutorial (github)	
Students representative Computer Science Council, University of Parma, Italy	May 2019 – May 2021
Volunteer Italian Association for Machine Learning	Jan. 2020 – Jan. 2021

FUNDING & AWARDS

Université de Montréal : merit scholarship	2025
University of Trento, Opera Universitaria : study scholarship	2022, 2023, 2024
University of Parma, ER-GO : study scholarship	2019, 2020, 2021
Erasmus+, Italian Ministry of Education (MIUR) : full year exchange scholarship	2019
Federazione Nazionale dei Cavalieri del Lavoro : study scholarship and excellence award	2018