Lorenzo Loconte

February 2024

PERSONAL INFORMATION

Family name, forename	Loconte, Lorenzo	E-mail	l.loconte@sms.ed.ac.uk
Date of birth, nationality	19/10/1998, Italian	Links	🌐 🐙 🐦 in

EDUCATION

2023 – today
PhD at the Institute for Adaptive and Neural Computation (IANC)
School of Informatics, University of Edinburgh, UK
Topics: tractable probabilistic models, generative models, neurosymbolic AI
Advised by Dr. Antonio Vergari and Dr. Iain Murray

2020 – 2022
Master Degree in Computer Science and Artificial Intelligence
University of Bari Aldo Moro, Italy
110/110 cum Laude and Honorable Mention
Thesis: Tractable Statistical Relational Learning with Probabilistic Circuits

2017 – 2020
Bachelor Degree in Computer Science
University of Bari Aldo Moro, Italy
110/110 cum Laude and Honorable Mention
Thesis: Sum-Product Networks and Normalizing Flows for Density Estimation

FEATURED PUBLICATIONS

For a complete list refer to the Semantic Scholar profile.

ICLR 2024
L. Loconte, A. M. Sladek, S. Mengel, M. Trapp, A. Solin, N. Gillis, A. Vergari
Subtractive Mixture Models via Squaring: Representation and Learning
Spotlight (top 5%)

NeurIPS 2023
L. Loconte, N. Di Mauro, R. Peharz, A. Vergari
How to Turn Your Knowledge Graph Embeddings into Generative Models
Oral (top 0.6%)

AWARDS

SICSA 2023   Research scholarship travel fund (£500).

SOFTWARE PROJECTS

2021 – 2023   🐙 DEEPROB-KIT: *a Python library for deep probabilistic modeling.* Open source library that provides efficient, robust and comprehensible implementations of deep probabilistic models in Python using PyTorch.

SKILLS

Programming languages	Python, C/C++, Haskell, Java, Prolog, LaTeX
Software libraries	NumPy, SciPy, Scikit-Learn, PyTorch, Tensorflow 2.x, Keras, PyMC3
Languages	Italian, English (C1, IELTS academic)