Lorenzo Loconte – CV

December 2023

PERSONAL INFORMATION

Family name, forename	Loconte, Lorenzo	Personal website	loreloc.github.io
Date of birth	19/10/1998	Networks	loreloc
Nationality	Italian		loreloc_
E-mail	l.loconte@sms.ed.ac.uk		loreloc

EDUCATION

2023 – PhD at the Institute for Adaptive and Neural Computation (IANC)
University of Edinburgh, UK
Topics: tractable probabilistic models, generative models, neurosymbolic AI
Principal supervisor: Dr. Antonio Vergari

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 Flows for Tractable Density Estimation

FEATURED PUBLICATIONS

For a complete list refer to the Semantic Scholar profile.

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%)

arXiv 2023 **L. Loconte**, A. M. Sladek, S. Mengel, M. Trapp, A. Solin, N. Gillis, A. Vergari
Subtractive Mixture Models via Squaring: Representation and Learning

SKILLS

Software libraries	NumPy, SciPy, Scikit-Learn, PyTorch, Tensorflow 2.x, Keras, PyMC3, RESTful APIs with FastAPI
Programming languages	Python, C/C++, Haskell, Java, Prolog
DevOps / MLOps	Git, GitHub Actions, DVC, Docker, MLflow
Scientific writing	LaTeX, TikZ
Languages	Italian, English (C1, IELTS academic)

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.