

# Francesco Ferrini

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## Education

### University of Trento

*Ph.D. in Machine Learning*

- > Research topics: Graph Neural Networks, Knowledge Graphs, Meta-paths GNN, Graph Representation Learning

Nov 2022 – Curr.

Trento, Italy

### Aalborg University

*MSc Internship*

May 2022 – Sep 2022

Aalborg, Denmark

### University of Trento

*MSc in Artificial Intelligence Systems*

Oct 2020 – Oct 2022

Trento, Italy

- > Course topics: Machine Learning, Deep Learning, Computer Vision, Advanced Machine Learning techniques, Natural Language Processing

### University of Verona

*BSc in Computer Science*

Oct 2016 – Mar 2020

Verona Italy

- > Thesis: Robot planning in unknown scenarios

## Publications

### Meta-path Learning for Multi-relational Graph Neural Networks

*Francesco Ferrini, Antonio Longa, Andrea Passerini, Manfred Jaeger*

LOG 2023

### Energy-Efficient Inference on the Edge Exploiting TinyML Capabilities for UAVs

*Wamiq Raza, Anas Osman, Francesco Ferrini, Francesco De Natale*

MDPI 2021

## Talks

### Oral presentation of "Meta-path Learning for Multi-relational Graph Neural Networks"

*Learning On Graphs Conference*

LOG 2023

[Link](#)

### Heterogeneous Graph Learning. Hands on tutorial held by the Alan Turing Institute

*Alan Turing Institute*

2023

[Link](#)

## Activities

### Organizer of LOG Meetup Trento 2023

- > Organization of the 4 days 2023 Learning on Graphs Trento Meetup in Italy

[Website Link](#)

## Projects

### RasaBot

*Python, MySQL*

- > Development of a chatbot in Rasa X framework able to help customers in completing an order on an online e-commerce. Through the bot, customers are also able to create an account, visualize products or ask more general questions.

2022

[Github Link](#)

### Attribute recognition and Re-identification

*Python*

- > Development of a Neural Network, in a supervised setting, able to predict different types of attributes on new images from dataset Market1501 and to identify the same person in different images.

2022

[Github Link](#)