

MARTINO M. L. PULICI

PhD Student

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💼 EXPERIENCE

PhD Student

Bosch Center for Artificial Intelligence

📅 Aug. 2024 – Present

📍 Renningen

Industrial PhD project focusing on the improvement of decision-making in multi-modal agentic retrieval-augmented generation through reinforcement learning and knowledge integration.

Visiting Student

The Open University's Knowledge Media Institute

📅 Oct. 2023 – Jul. 2024

📍 Milton Keynes

Research project focusing on the investigation of viewpoint dynamics in the news domain using large language models, resulting in an award-winning paper presented at the EKAW 2024 conference.

ASC27

Artificial Intelligence Scientist

📅 Oct. 2022 – Jul. 2024

📍 Bologna

Experience in natural language processing, text-to-speech, speech-to-text, and optimisation of neural networks.

Student Intern

📅 Apr. 2022 – Sept. 2022

📍 Bologna

Internship for the MSc thesis on text-to-speech.

🏛 EDUCATION

PhD in Informatics

Ludwig-Maximilians-Universität München

📅 Jan. 2025 – Present

📍 Munich

MSc in Artificial Intelligence

Alma Mater Studiorum – Università di Bologna

📅 Oct. 2020 – Dec. 2022

📍 Bologna

110/110 *cum laude*

BSc in Physics

Università degli Studi di Milano

📅 Oct. 2017 – Oct. 2020

📍 Milan

110/110 *cum laude*

Conservatory Diploma in Piano

Conservatorio di Musica “Giuseppe Verdi”

📅 Nov. 2008 – Sept. 2018

📍 Milan

🏅 AWARDS

Best conference paper

EKAW 2024

📅 Nov. 2024

National final phase

Championnat International de Jeux Mathématiques et Logiques

📅 2010, 2011, 2012, 2013, 2015

🌟 CERTIFICATIONS

IELTS Academic 8.5 (C2)

IELTS

📅 Apr. 2024

Applied Games

Game Design and Development

Universiteit Utrecht

📅 Aug. 2019

🎸 VOLUNTEERING

Piano Teaching

Istituto Comprensivo Cavalieri

📅 03/2019–02/2020 📍 Milan

Activities with Deaf Children

Primary School

📅 09/2016–05/2017 📍 Kwai Chung

Rural Area Redevelopment

Hydrovege

📅 03/2017 📍 Taichung

Social Farming

Mindful Farm

📅 03/2016 📍 Chiang Mai

Teaching

Primary School

📅 11/2015 📍 Guangdong

✉ PUBLICATIONS

Capturing the Viewpoint Dynamics in the News Domain

Knowledge Engineering and Knowledge Management

📅 2025

💾 [File](#)

Conference paper focusing on the extraction and the classification of claims and viewpoints in the British political discourse with the aid of large language models, achieving state-of-the-art results.

Voice Cloning: Increasing Expressivity of Italian Text-to-Speech with Phonemization

MSc thesis

📅 2022

💾 [File](#)

MSc thesis focusing on the development of a text-to-speech pipeline for Italian text, with particular attention to the improvement of voice expressivity compared to pre-existing alternatives.

Improving Suppression of Jets from Pileup at High Luminosity LHC Using Timing Information from the High Granularity Timing Detector for ATLAS

BSc thesis

📅 2020

💾 [File](#)

BSc thesis focusing on the application of boosted decision trees to CERN's Large Hadron Collider data, with the goal of improving the suppression of pileup jets by exploiting timing information.

📹 SELECTED PROJECTS

FFC Inception v3

📅 2022

❖ [Repository](#)

Computer vision project applying fast Fourier convolutions to the Inception v3 network, evaluated on image recognition tasks.

Rate severity of toxic comments

📅 2022

❖ [Repository](#)

Natural language processing project comparing different architectures (LSTMs, RNNS, and transformers) in a toxicity rating task.

Anti money-laundering

📅 2022

❖ [Repository](#)

Graph neural network project comparing the impact of attention on different architectures, evaluated on an anti money-laundering task.

Flatland challenge

📅 2021

❖ [Repository](#)

Multi-agent reinforcement learning project comparing different deep Q-network agents on a railway traffic management task.

🛠 SKILLS

Artificial Intelligence

Computer Vision Data Analysis

Deep Learning Machine Learning

Natural Language Processing

Mathematics Physics Statistics

Debating Music Piano

Presentations Teaching Teamwork

C C++ Docker Git Java

Keras L^AT_EX Linux macOS

MiniZinc Office Prolog Python

PyTorch ROOT Scikit-learn

TensorFlow Windows

🔤 LANGUAGES

Italian



English



German



Latin



Ancient Greek



Chinese



Russian



😊 INTERESTS

- Chess
- Comic books
- Cooking
- Literature
- Motion pictures
- Music (Classical, Jazz, Rock)
- Politics

- Baseball
- Beach volleyball
- Running
- Swimming
- Volleyball