



Biography

AI Researcher with a strong background in applied mathematics, and solid experience as a Data Scientist and ML Engineer in both academic and industrial contexts. My work focuses on machine learning and deep learning, with particular emphasis on generative models, synthetic media analysis, deepfake detection, statistical modeling, and graph and hypergraph-based models.

I hold a PhD in Artificial Intelligence from Campus Bio-Medico University of Rome, along with a Master's degree in Data Science and a Bachelor's degree in Mathematics from the University of Catania.

My experience spans both academia and industry, including international research activity at the State University of New York Polytechnic Institute (Utica, NY) and applied work as a Data Scientist and AI Researcher in industrial settings. I combine rigorous applied mathematics with experimental AI research and real-world deployment of advanced models.

Orazio Pontorno

AI Researcher

opontorno.github.io

- ▶ 10/13/1999 in Palermo
- ▶ italian

Contact

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- 📞 +39 3891967955
- ✉️ opontorno@gmail.com
- 🔗 linkedin.com/in/opontorno
- 🔗 github.com/opontorno

Skills

Machine Learning

Applied Mathematics

Data Science

Big Data / Data Analysis

Data Engineering

Internet of things

Digital Skills

Pytorch

Databricks

PySpark

Git

R

MySQL

Experiences

Visiting Researcher

01/2026 - 06/2026

State University of New York Polytechnic Institute ·
Full Time
Utica, NY, United States

Research activity focused on developing advanced methodologies for Deepfake Detection in Medical Imaging.

AI Researcher

03/2025 - 12/2025

Life360
Remote

Research and develop cutting-edge ML models for personalized ad experiences and contextual targeting. Explore deep learning, reinforcement learning, and NLP for innovative ad solutions.

Data Scientist

04/2024 - 02/2025

Fantix Inc. · Contract
Milan, Italy

Research and development of enrichment models based on graphs and hypergraphs.

Student research assistant

04/2023 - 06/2023

iCTLab s.r.l. · Internship
Catania, Italy

Research activities aimed at developing deep learning algorithms in the field of Deepfakes Analysis and Detection.

Research assistant

02/2023 - 08/2023

Vicosistems s.r.l. · Scholarship
Catania, Italy

Analysis and implementation of deep learning techniques based on GAN networks for anomaly detection in a time-series dataset.

Education and Training

MATLAB

Tableau

Language Skills

Italian Mother

English B2

Interests

- ▶ Chess
- ▶ Fitness
- ▶ Travel

PhD in Artificial Intelligence - XXXIX Cycle

Università Campus Bio-Medico di Roma
University of Catania

11/2023 - today

Master's degree in Data Science

University of Catania

10/2021 - 09/2023

Postgraduate School Course in AI: Deep Learning,

Vision and Language for Industry

Università degli Studi di Modena e Reggio Emilia

09/2022 - 11/2022

Bachelor's degree in Mathematics

University of Catania

09/2018 - 12/2021

Licenses and certifications

Samsung Innovation Campus Catania 2023

Samsung Electronics Italia

05/2023

Website samsung.com/it/campaign/innovation-campus/

Deep Neural Networks with Pytorch

IBM Skills Network

02/2023

Website skills.networkLink coursera.org/verify/NPNQN6FNQYQT

Neodata exaudi certification 2022

neodata group

08/2022

Website neodatagroup.comLink neodatagroup.thinkific.com/certificates/2zafcg1crk

Catania, 13th February 2026



Orazio Pontorno