

FRANCESCO CAPUANO

Italian (Native), English (IELTS 8.0)

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📧: [fracapuano](#) ◊  [Google Scholar](#) ◊ **in:** [fracapuano](#)

EDUCATION

[École Normale Supérieure Paris-Saclay](#)

September 2024- September 2025

MSc, MVA (Mathématiques, Vision, Apprentissage). Research-focused master's, mostly focusing on deep learning, reinforcement learning and robotics.

[Politecnico di Torino & Politecnico di Milano](#)

September 2021 - July 2023

MSc in Data Science and Engineering (summa cum laude). Minor in Mathematical Engineering.

Final thesis in **Hardware-Aware AutoML with Deep Reinforcement Learning**.

Member of [Alta Scuola Politecnica \(ASP\)](#) 18th cycle, the tuition-waiving joint honors program founded by Italy's top technical universities (Acceptance Rate: $\sim 1\%$).

[Sapienza University of Rome](#)

September 2018 - July 2021

BSc in Engineering (summa cum laude)

Final thesis in **Operations Research**.

EXPERIENCE

Machine Learning Researcher

(Incoming) April 2025 - October 2025

[Hugging Face](#)

Paris, France

- **Reinforcement Learning Researcher** in the robot learning team at Hugging Face, LeRobot (MVA Internship).
- Research on cross-domain zero-shot adaptation, using Vision-Language-Action models, multi-modal data and Imitation Learning via diffusion.

DevRel AI Engineer

January 2025 - Present

[Mistral AI](#)

Paris, France

- Main responsibilities are **recruiting and leading people for the Mistral Ambassadors program**, community building and open-source libraries maintenance.
- Started collaborating with Mistral AI as an official Ambassador in November 2024. Then, was invited to join and lead the program.
- Part-time while at MVA.

CTO Founder Associate

April 2024 - October 2024

[Alan](#)

Paris, France

Machine Learning Engineer. I directly worked with Charles Gorintin, Alan's co-founder and CTO, rethinking Alan's processes in light of AI.

- Contributed to making Sales teams 30% more efficient with an AI-first retrieval system
- Evaluation and training pipeline over custom and proprietary dataset, further-training open-weights LLMs.
- Worked Mo, Alan's AI assistant served on Alan's app to its 600K+ members.

Machine Learning Engineer

May 2023 - April 2024

[Bain & Company](#)

Milan, Italy

- **Venture building in Bain's start-up studio**, Founder's Studio.
- Mostly using transformers-based NLP, sequence encoders & LLMs
- Directly worked on Talentware, which raised €800K in one of Italy's largest pre-seed rounds.

Machine Learning Researcher

July 2022 - October 2022, February 2023 - May 2023

[ELI - Czech Institute of Physics, Politecnico's ELLIS Unit](#)

Prague, Czech Republic

- **Deep Reinforcement Learning** for dynamical systems control
- Developed a simulated environment to test out control strategies
- I led 2 publications, while being a full-time student at Politecnico.