Davide Paglieri

paglieridavide@gmail.com | linkedin.com/in/davidepaglieri | davidepaglieri.github.io

Experience

Student Researcher June 2025 – Nov 2025
Google DeepMind *United Kingdom*

- Student Researcher working with Alexander (Sasha) Vezhnevets and Joel Leibo in the Multi Agent General Intelligence (MAGI) team.

AI Research Engineer Oct 2021 – Jan 2023
Bending Spoons *Italy*

- AI lead and creator of Dawn AI, a mobile app using generative models to create AI avatars. During its peak the app ranked first in order of downloads in the US app store for 3 consecutive days; later merged into Remini AI.
- Researched, prototyped and deployed deep learning models on several company's apps: Remini, Splice, Dawn AI; focusing on diffusion generative models, image enhancement and artificial slow motion.

Education

PhD Candidate Jan 2023 - present
University College London *United Kingdom*

- PhD candidate funded by the Computer Science department
- Advised by Tim Rocktäschel and Jack Parker-Holder
- Researching LLM/VLM agents, Reinforcement Learning and Open-Ended Learning and Multi-agent systems

MSc Computing AI & ML Oct 2020 - Oct 2021
Imperial College London *United Kingdom*

- Graduated with Distinction
- Relevant modules include Mathematics for Machine Learning, Introduction to ML, Reinforcement Learning, Deep Learning, Computer Vision, ML for Imaging, NLP, Robotics
- Research thesis on Open-Ended RL for Dynamic Robot Locomotion (GitHub), advised by Antoine Cully

BSc Computing Engineering Sep 2017 - July 2020
Politecnico di Torino *Italy*

- Graduated with 110/110 cum laude
- Relevant modules include Computer Science, Advanced Algorithms and Programming, OOP, Databases, Operating Systems, Calculus 1-2, Linear Algebra and Geometry, Mathematical Methods for Engineers

Papers

- Learning When to Plan: Efficiently Allocating Test-Time Compute for LLM Agents (preprint)
- BALROG: Benchmarking Agentic LLM and VLM Reasoning on Games (ICLR 2025) (balrogai.com)
- Outliers' effects on quantization of modern LLMs (ES-FoMo-II @ICML 2024)
- Adversarial examples to Multi-Agent RL (Oral AAMAS 2024)

Technical Skills

Languages: Python (5 years), PyTorch (5 years), JAX, C/C++ (1.5 years), Java, Swift, Lua, SQL, ARM Assembly

Awards

Young Talent Project (2018 – 2020): Scholarship awarded to the 200 best students of the academic year.