

Egon Ferri

AI Engineer - [Gamindo](#) - [PyData Roma Capitale](#) Organizer

Rome, Italy - egon.ferri@gmail.com - [LinkedIn](#) - [Website](#)

AI engineer building practical ML systems, intelligent agents, and product-facing automation. Current work focuses on the AI engine behind game-based learning products at [Gamindo](#). Previous work at [Immobiliare.it](#) centered on production computer vision and multimodal services for image analysis, tagging, deduplication, quality checks, and LLM-assisted workflows.

EXPERIENCE

AI Engineer

[Gamindo](#) - Jan 2026 - Present - Rome, Italy

- Builds AI-driven features for game-based learning products, with a focus on content generation, personalization, and workflow automation.
- Designs LLM-powered systems, intelligent agents, and maintainable application architecture that can move from prototype to product.
- Works closely with product and engineering to turn training and business needs into reliable AI features.

Computer Vision Engineer

[Immobiliare.it](#) - Aug 2022 - Dec 2025 - Rome, Italy

- Built and maintained 20+ production microservices for computer vision and multimodal analysis, processing hundreds of millions of images in near real time.
- Owned the full lifecycle of AI systems: dataset creation, benchmarking, deployment, monitoring, and continuous improvement.
- Delivered services for image classification, object detection, feature extraction, image quality assessment, semantic tagging, deduplication, and LLM-assisted visual workflows.
- Integrated multimodal LLMs with existing computer vision services to combine visual features, metadata, and language for downstream product use cases.
- Collaborated with data engineering, platform, and product teams, communicating technical results to both technical and non-technical stakeholders.

Lead Data Scientist

[ELIS](#) - Apr 2022 - Aug 2022 - Rome, Italy

- Led a data science team working on applied AI projects with PyTorch, Keras, TensorFlow, Python, OpenCV, and Microsoft Azure.

Data Scientist

[ELIS](#) - Jan 2021 - Aug 2022 - Rome, Italy

- Worked on advanced analytics and AI projects for large Italian companies, from data ingestion and preprocessing to machine learning and deep learning delivery.
- Applied forecasting, classification, clustering, NLP, and computer vision methods to business and industrial use cases.
- Taught Artificial Intelligence for the ELIS Digital Engineering degree course in collaboration with Politecnico di Milano.

Junior Data Scientist

[ELIS](#) - Jul 2020 - Jan 2021 - Rome, Italy

- Developed computer vision and multimedia sentiment analysis pipelines for RAI-related data streams, including celebrity detection and tweet/image analysis.

SKILLS

Python, PyTorch, TensorFlow, Keras, OpenCV, FastAPI, Docker, REST APIs, computer vision, multimodal LLMs, intelligent agents, OCR, image classification, object detection, semantic tagging, data pipelines, Azure.

PAPERS & PUBLICATIONS

[A deep-learning-based antifraud system for car-insurance claims](#)

Co-author - Expert Systems with Applications, article 120644 - 2023

- Paper on a production-oriented computer vision pipeline for car-insurance antifraud, combining vehicle image organization, damage analysis, and image retrieval.

[Online data analysis: Sentiment analysis with Python](#)

Co-author - Researching and Analysing Business, Routledge - 2023

- Book chapter on using Python and NLP techniques to analyze online customer opinions and turn text feedback into business data.

SELECTED PROJECTS

[UFOID](#)

Open-source image deduplication - [Immobiliare.it](#)

- Core contributor to a Python tool for detecting duplicates and near-duplicates in large image datasets with perceptual hashing and chunked processing.

[Vegeta Super Sayan](#)

Open-source API load testing automation - [Immobiliare.it](#)

- Co-created a lightweight wrapper around [Vegeta](#) that schedules load tests from YAML and finds service breaking points with binary search.

[MMaSAI TVpT](#)

Master's thesis - [Sapienza University of Rome](#)

- Built a multimodal sentiment analysis pipeline for Italian TV program tweets, combining BERT text embeddings, ResNet50 image embeddings, and OCR-extracted text.

SPEAKING & COMMUNITY

- Organizer of [PyData Roma Capitale](#), building practical community formats around Python, data science, machine learning, and open source.
- Talks include [Computer Vision IRL](#) at PyCon Italia 2024, [SOLID principles in Python](#) at PyData Roma / R-Ladies Rome / Rome R Users Group, and multimodal extraction with Pydantic AI and FastAPI at [DevFest Roma 2025](#).

EDUCATION

[Sapienza University of Rome](#)

Master's degree, Data Science - 2018 - 2021 - 110/110 cum laude

- Thesis: A multimodal approach to visual sentiment analysis, focused on NLP, computer vision, OCR, and sentiment analysis.

[UPC School, Universitat Politècnica de Catalunya](#)

Master of Research and Innovation in Informatics - Erasmus - 2019 - 2020

[Sapienza University of Rome](#)

Bachelor's degree, Economics and International Cooperation - 2014 - 2018

CERTIFICATIONS

- [AI Agents Fundamentals](#) - Hugging Face - Issued Aug 2025
- [Microsoft Certified: Azure Data Fundamentals](#) - Microsoft - Issued Nov 2021