Angelo Di Gianvito

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WORK EXPERIENCE

Machine Learning Engineer (Full-Time) – MantisNLP   (September 2024 - Present)

- Design and deploy NLP models for classification, information retrieval, document processing pipelines and other language understanding tasks in production environments.
- Led 10+ projects in development and client communication, responsible for timely delivery and quality of outcomes.
- Developed and maintained open-source projects with 100+ stars on Github like Sieves (Library for NLP task prototyping using LLMs) and Nervaluate (Library for NER evaluation).
- Selected projects currently in production:
    - Fraud detection system for an established financial client combining LLMs and other mathematical and statistical methodologies (87% accuracy).
    - Retrieval-Augmented Generation (RAG) system to query a large OCR- and VLM-processed database of 20k PDFs.

Co-Founder & AI Engineer – CambrianAI   (February 2025 - Present)

- Co-founded and led development of the first AI related project in the SEI blockchain ecosystem.
- Raised **135k** to build products focused on AI automation of Decentralized Finance and enlarging the AI community in the ecosystem.
- Full-stack development of Cambrian App Builder, a Web app currently in production, to build and deploy web applications using natural language prompts.
- Developed sei-agent-kit, an open-source SDK enabling AI agents to interact with blockchain protocols.
- A $1 million hackathon was organized by SEI with our tools as the core development framework, requiring participants to build using them.

Machine Learning Engineer (Part-Time) – People First   (May 2024 - December 2024)

- Led the design and implementation of the company's AI systems from prototyping to production.
- Built an AI Agent with a LLM-based orchestrator to collect user interaction data, perform knowledge retrieval, and generate tailored recommendations.
- Integrated multiple techniques including agent orchestration, RAG, web scraping, and structured generation.

EDUCATION

MSc **Data Science, Pompeu Fabra University**   (September 2023 - July 2024)

- GPA: 9.1/10 (Top 4%)
- Key coursework: Machine Learning, Advanced NLP, Deep Learning for Computer Vision.
- Thesis: War through the lens of AI - Using a FineTuned ResNet 50 model to classify Ukraine War Images and run a historical analysis (*Published by the university*). Code available here.

Software Development, **42 Roma Luiss**   (February 2023 - November 2024)

- Intensive software engineering program focused on C and C++ with an emphasis on low-level systems, algorithms, and concurrency.

BSc **Economics and Business Economics, Maastricht University**   (August 2018 - February 2022)

- Courses: Quantitative Methods (I–III), Financial Markets, Brand Management, Marketing Strategy.

SKILLS & ADDITIONAL TRAINING

- Programming: Python, C, TypeScript, R, SQL, Git, Bash, Jupyter
- ML/NLP: PyTorch, HuggingFace Transformers, spaCy, LoRA fine-tuning, RAG systems, MLflow
- Data & Infra: Postgres, BigQuery, MongoDB, Neo4j, Spark, GCP/AWS, Docker
- Languages: English (C2), Italian (Native), Spanish (C1), French (B2)