



PIERMICHELE ROSATI

AI Engineer

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WORK EXPERIENCE

Business AI Engineer Intern | *Internship*

Axians in Switzerland

- Design and development of LLM-powered Multi Agent Systems
- Design and integration of Ontologies, Knowledge Graphs
- Retrieval-Augmented Generation and Agentic AI-based solutions
- Tech stack: python, Streamlit, LLMs, RAG, Agentic AI, LlamaIndex, GraphDB, CosmosDB, Azure Functions

Oct. 2025 – Present
Zürich, Zürich, Switzerland

Research Assistant | *Full-Time*

FHNW - University of Applied Sciences and Arts Northwestern Switzerland

- Research on AI, LLM-based Multi-Agent Systems

Aug. 2025 – Sep. 2025
Olten, Solothurn, Switzerland

Academic Tutor | *Contract Job*

Unicam - University of Camerino

- Didactic support in students' learning and/or passing the Databases examination in a.y. 2023/24 and 2024/25

Apr. 2024 – June 2025
Camerino, Marche, Italy

AI Engineer | *Contract Job*

FHNW - University of Applied Sciences and Arts Northwestern Switzerland

- Design and development of a personal study plan recommendation system. Tech stack: python, LLMs, RAG, Agentic AI, LlamaIndex, Neo4j
- Design and development of a prototype solution for NLP-based processing of legal contracts. Tech stack: python, LLMs, In-Context Learning, Llama, GraphDB

Nov. 2023 – Dec. 2024
Full Remote

Trainee Student | *Traineeship*

NBS S.r.l.

- Design and development of a Java-based microservices system for chat functionalities.

May 2022 – July 2022
San Benedetto del Tronto, Marche, Italy

Software Developer | *Internship*

Roland DG Mid Europe

- Management software for technical assistance

May 2018 – Oct. 2018
Acquaviva Picena, Marche, Italy

EDUCATION

Doctor of Philosophy | *PhD in Computer Science*

UPV - Polytechnic University of València

Oct. 2025 – Present
València, Spain

Double Degree MSc | *School of Business, Business Information Systems*

FHNW - University of Applied Sciences and Arts Northwestern Switzerland

Final Grade: 5.5/6

Sep. 2023 – Sep. 2025
Olten, Solothurn, Switzerland

Master of Science | *Computer Science, AI and Informatics for Robotics*

Unicam - University of Camerino

Final Grade: 109/110

Oct. 2022 – Apr. 2025
Camerino, Marche, Italy

Bachelor of Science | *Computer Science*

Unicam - University of Camerino

Final Grade: 109/110

Oct. 2019 – Oct. 2022

Camerino, Marche, Italy

Secondary School | *Informatics*

I.T.T. Montani - Technical and Technological Institute "G. & M. Montani"

Final Grade: 93/100

Sep. 2014 – June 2019

Fermo, Marche, Italy

PROJECTS AND RESEARCH

A Hybrid AI Approach for Recommending Collaborators in Research Projects

Oct. 2024 – Apr. 2025

Double MSc Thesis, Unicam - University of Camerino &
FHNW - University of Applied Sciences Northwestern Switzerland

iModuleBuddy - A Hybrid AI-Based Academic Planning System

Gen. 2024 – Dec. 2024

AI Engineer at FHNW - University of Applied Sciences and Arts
Northwestern Switzerland

TARNAS: a TrAnslator for RNA Secondary structure formats

Summer/Fall 2022

BSc Thesis, Unicam - University of Camerino

HARD SKILLS

Languages: Italian (Native), English (Professional working proficiency)

Programming Languages: C, Java, JavaFX, Python, R, Typescript

Programming Frameworks: Springboot, Angular, Streamlit

Agentic Frameworks: Langchain, LlamaIndex

Cloud & DevOps: Microsoft Azure (Resource Groups, Function Apps, App Services), Serverless Architectures, Containerization, Basic Cloud Deployment

Backend & Data: REST APIs, SQL, DBMS, Vector Databases, GraphDB, SPARQL, API Integration

Others: git, GitHub, GitLab, Azure Functions, Docker, LaTeX