Vinicius PARAIZO
Machine Learning Engineer

Computer Scientist experienced in Machine Learning, Object-Oriented Programming and Web Applications.

INFORMATION

➤ Italian citizenship
➤ paraizovinicius@gmail.com
➤ Linkedin
➤ Github
➤ Website

EXPERIENCE FIELDS

Languages and Frameworks
Python, TypesCript, Java, C#, Pytorch, LangChain, FastAPI, Spring, .NET, SQLAlchemy, React Vite, AWS Bedrock

Operating Systems
Windows, Linux

Software design
SOLID, design patterns, UML, ORM, ACID

Known Sectors
AI & Data Science, Natural Language Processing (NLP), Large Language Models (LLMs), Web development, PostgreSQL, Distributed Systems, Cloud

Management and DevOps
GitHub, GitLab, Docker

ABILITIES

- Strong teaching skills in mastered technologies
- Humble, committed, and trustworthy
- Good self-management skills
- Problem-solving mindset
- Proactive and analytical approach

LANGUAGES

English : Fluent
French : Fluent
Portuguese : Native
Italian: B1 level

ACADEMIC BACKGROUND

Aix-Marseille University - Master (2023 - 2024)
Data Science, AI;

CEFET – Bsc in Computer Sciences (2019 - 2025)
- Final Project: Applied Deep Embedded Clustering (DEC) to identify patterns in Brazilian government expenditure data for auditing.
- Achievements: **1st place winner** at INOVA national contest (Telebrasil) in competitive programming
- Manuscript in redaction: SCRNA-Seq Analysis

PROFESSIONAL EXPERIENCE

AI Developer - Full-time
Prime Up | 10/2025 – present
- Developed a multi-agent RAG system using an orchestrator framework for legislative information retrieval.
- Modeling and managing PostgreSQL databases.

Web Developer - Contract
Anouk Partners | 07/2025 – 10/2025
- Contributed to an integrated project with a Next.js frontend, Java Spring backend, external APIs, and relational database integration.
- Developed frontend components in collaboration with a senior engineering team, following agile practices and version control with Git.

AI Sustainable Computing - Internship (France)
Euranova | 08/2024 – 02/2025
- Developed a structured methodology to enhance efficiency across all stages of the AI lifecycle.
- Applied this framework to a LangChain RAG project built on large language models (LLMs), focusing on reducing computational resource usage.

Machine Learning - Internship (France)
TALEP | 02/2024 – 05/2024
- Leveraged a pre-trained HuBERT model to process MP3 audio datasets, performing Speech Recognition tasks and extracting MFCC features for further analysis.
- Engaged in extensive research on LLMs and transformers, analyzing cutting-edge methodologies and their applicability to audio processing.

Procurement Systems - Internship
VTEX | 08/2022 – 08/2023
- Responsible for systems including routines, helpdesk, tests and improvements.
- Create a Python project to automatically update the company purchases database using Selenium and Openpyxl libraries.