


Vinicius PARAIZO

Machine Learning Engineer

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



INFORMATION

- Italian citizenship 
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- [Linkedin](#)
- [Github](#)
- [Website](#)

EXPERIENCE FIELDS

Languages and Frameworks

Python, TypesCript, Java, C#,
Pytorch, LangChain, FastAPI,
Spring, .NET, SQLAlchemy, Vite

Operating Systems

Windows, Linux

Software design

SOLID, design patterns, UML,
ORM, ACID

Known Sectors

AI and Data Science, Natural
Language Processing (NLP),
Transformers, MLOps, RAG LLM's,
Web development

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

HOBBIES

Enjoy Samba, play drums and a dark souls fan.

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 Retrieval-Augmented Generation (RAG) system utilizing AWS embeddings and LLMs to power an internal chatbot for Bank of New York (BNY) employees, enabling efficient retrieval of legislation-related information.

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.