

Rayane HACHEMI

Machine Learning Engineer

✉ rhmi@outlook.fr

🏠 Belgium (currently)

Languages

French
Mother tongue

English
C1 level
› TOEIC : 975/990

Spanish
A2 level, B1 if I refresh my memory

Assets

Gen AI user
Apparently it's a skill now, so I guess you could call me a "prompt whisperer" or something

Fast learner
Learn RL in 48h: done

Creative
My ideas are sometimes borderline crazy

Stubborn
I will fight with that bug until it works

Interests

Cars & Racing
One day, I'll bring my Peugeot Sport hot hatch to the track!

Cooking
Yes, I do apply the scientific method to bake cakes.

Video games
PC gamer, solo and multiplayer

Work experience

● ML Engineer Consultant

Since October 2023 Euranova Belgium

Non exhaustive missions list:

- Defense R&D project using Deep Multi-Agent Reinforcement Learning (Python)
- R&D in Electrical Grid Topology Optimization (High Performance Computing, GPU programming in JAX, Genetic Algorithms)
- Agentic AI tech watch corps lead
- RL referent at Euranova
- Internal app product owner (agentic AI for meeting preparation)

● Internship in Reinforcement Learning (Masters thesis)

From March 2023 to October 2023 Euranova Belgium

Multi-Agent Deep Reinforcement Learning research internship: state-of-the-art study, personalization of learning environments, frontier research in transfer learning and generalization

Education

● Computer Science engineering degree, specializing in AI & Big Data

From September 2018 to October 2023 INSA Toulouse

Computer Science french engineering degree with a major in Distributed Systems and Big Data. Experienced: various programming paradigms, system and network architectures, mathematics for artificial intelligence and machine learning, and practical experience in supervised learning, clustering, and reinforcement learning.

CS engineering skills

Software engineering

Hard: Frontend, Backend, git versioning, designing DevOps CI/CD pipelines
Soft: R&D programming, product ownership

Machine Learning

Supervised learning, Clustering and Reinforcement learning: I've seen it all at least once

Cloud Engineering

Azure Fundamentals (AZ-900) certification

Practical Google Cloud Platform experience: I deployed my own Workspace Add-On using only Google services

Personal projects

Automated forum moderation

I trained text classifiers to detect harmful messages on a public forum.

LLM agent pioneer

I was invited to the OpenAI Researcher Access Program in 2023 by making ChatGPT play Minecraft and StarCraft (worldwide first).