

THÉO ELOY

AI Engineer

@theo.eloy@proton.me

(+33) 7 83 37 43 38

Paris, FRANCE

theo-eloy

Zameloth



AI Engineer finishing a Master's in AI & Big Data (ESGI, work-study), with 3 years of experience at La Poste in data science and engineering. Focused on **agentic systems** and **LLM integration in production**: LLM/SLM benchmarking on Databricks, design of **MITRE ATT&CK**-based detection pipelines with LLM SOC analyst. **2nd place** AI Hackathon – Ministry of Armed Forces, 1st detection rate.

TECHNICAL SKILLS

- **Languages** : Python, Rust (Burn), SQL
- **AI/ML** : Reinforcement Learning (DQN, PPO), LLMs, RAG, Agents, HuggingFace, scikit-learn, OpenAI / Anthropic API
- **Data Engineering** : pandas, polars, NumPy, Spark, Databricks, Dataiku DSS
- **Infra/DevOps** : AWS, Kubernetes, Docker, FastAPI, Git, Linux
- **Data Visualisation** : Power BI, Tableau

PROFESSIONAL EXPERIENCE

Data Scientist (Work-Study)

Groupe La Poste, Data & AI Division | September 2024 – Present | Paris

- **SLM vs LLM benchmark** on Databricks: **cost/quality** evaluation for a job offer classification use case, to guide users toward the right model level without over-consuming resources.
- **Customer clustering** and impact analysis of field measures on **large-scale** business data.
- Monitoring of the group data platform (Dataiku DSS, Tableau): tracking ML usage, storage, and licenses.

Data Analyst (Work-Study)

Groupe La Poste, DOT IDF Colissimo | September 2023 – August 2024 | Paris

- **Automation** of reporting pipelines: replacing manual Excel consolidations with automated flows feeding **Power BI**, including automatic source ingestion.

PROJECTS

AI Hackathon (2nd place – 1st in detection rate)

Commissariat au Numérique de Défense, Ministry of Armed Forces | May 2026

- **Detection engine**: rules based on **MITRE ATT&CK** providing structured signals to an LLM acting as **SOC analyst**, capable of reconstructing complete **killchains**.
- Integrated into a full application (**real-time ingestion**, **agentic orchestration**, Next.js front)

Deep RL Library in Rust

- Implementation of **DQN**, **PPO** and contribution to MCTS & MCRR with the **Burn (Rust)** framework.
- Development of a **custom test environment** (Pond game): target 100,000 games/sec, **120,000 achieved**.

EDUCATION

Master's in Artificial Intelligence & Big Data ESGI (work-study)

2024 – 2026 | Paris

- Notable courses: Deep Reinforcement Learning, NLP, ML Industrialization, Kubernetes

Bachelor's in Artificial Intelligence & Big Data ESGI | Top of specialization

2023 – 2024 | Paris

- Notable courses: Machine Learning, Advanced Python, NoSQL & Big Data, Advanced Algorithms

DUT in Computer Science IUT Amiens

2020 – 2022 | Amiens

LANGUAGES

- French: Native language
- English: Fluent (TOEIC 975/990)