ROMEO FROGER

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SUMMARY

Software engineering student and AI Systems Analyst specializing in the design and deployment of production-ready AI-driven systems. With a background in full-stack development and ongoing specialization in machine learning and generative AI, I focus on building scalable, high-performance solutions aligned with real-world industrial constraints.

EDUCATION

Engineering Degree   Sept 2025 - June 2028
EFREI Paris
- Major in Software and Information Systems
- Work-study program

Bachelor's Degree in Digital Science   Sept 2021 - June 2024
Université Catholique de Lille
- Work-study program in Bachelor's Year 3 (L3)

WORK EXPERIENCES

AI Engineer (Work-Study Program) – Thales   Sept 2025 - Aug 2028
- Design and deployment of AI-driven tools supporting productivity, decision-making, and operational efficiency within complex industrial systems.
- Analysis and structuring of data and AI workflows (from data ingestion to model integration), with a strong focus on performance, robustness, and real-world constraints.
- Contribution to strategic digital transformation projects, bridging technical AI solutions with business, cost, and scalability considerations.

Full-Stack Developer (Work-Study Program) – SNCF Connect & Tech   Sept 2023 - Aug 2024
- Full-stack development (React / Symfony) of scalable internal web applications, within an Agile environment.

PROJECTS

IBM Generative AI Engineering – Professional Certification (in progress)
- Applied training in generative AI and machine learning, covering model development, evaluation, and real-world use cases (8/16 courses completed).
- Hands-on work on AI workflows, from data preparation to model integration in production and decision-support contexts.

Development of an intelligent CLI conversational agent
- Building an interactive CLI agent that can engage in real-time dialogue with users using the OpenAI GPT-4 API.
- Each user has a dedicated vector memory (using embeddings and a RAG architecture) stored in DynamoDB, enabling contextual message retrieval through cosine similarity.Techno : Node.js, TypeScript, OpenAI SDK, DynamoDB (AWS), Bash, CLI

SKILLS

- React, Symfony
- Linux environments
- Git (GitHub / GitLab)
- Autonomous and proactive
- Strong team collaboration skills

- Python, SQL, Java, TypeScript, Bash
- Data processing and scripting for AI workflows
- Foundations in Machine Learning & Generative AI
- AI systems integration and deployment (in progress)