EDIN GUSO Lausanne, Switzerland

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SUMMARY

AI engineer with three years of experience building production GenAI and machine learning systems. At Volv Global, designed and built an LLM system that maps free-text concepts to a vocabulary of over a million medical codes, with evaluation to measure every change, and presented results to clients and domain experts. Work daily with AI coding agents and set up the team's agentic development workflow.

EXPERIENCE

Volv Global SA, Epalinges, Switzerland *Jan 2025 - Present*

Applied Data Scientist

- Designed and built an LLM system on **Azure OpenAI** that maps clinical concepts to about 1.16 million medical codes for several pharma clients, using embeddings and an LLM-as-judge stage
- Introduced golden-set evaluation with per-concept precision and recall, so every prompt and model change is compared on evidence
- Built a shared **OpenAI** and **Azure OpenAI** client layer for every pipeline, handling retries, parallel calls and token and cost tracking
- Introduced the team's agentic development setup, shared agent skills for **Claude Code** and **GitHub Copilot**, reviewing every agent-written change before merge
- Adapted the product to several pharma clients' data and coding systems through configuration, ran clinician validation, and presented results to clients and clinicians

Logmind, Lausanne, Switzerland *Aug 2023 - Aug 2024*

AI Engineer

- Designed and built ModuGPT, a modular **Python** framework for LLM applications with swappable **OpenAI** and **Azure** providers, used to ship all of Logmind's GenAI tools
- Built SmartSearch, a hybrid keyword and semantic log search over **Elasticsearch**, raising query match scores from 0.22 to 0.67 against a single-call baseline
- Compared self-hosted open-source and OpenAI models on output quality and cost, and moved Logmind's GenAI tools to the OpenAI API

EDUCATION

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland *2024*
M.Sc. in Computer Science, GPA 5.58/6.00
Master's thesis: *Enhancing Log Analytics with Generative AI*, in industry with Logmind

Sabancı University, Istanbul, Turkey *2021*
B.Sc. (double major) in Computer Science and Engineering and Mechatronics Engineering, GPA 3.96/4.00

SKILLS

AI engineering: LLM applications, AI agents, LLM evaluation (golden sets), LLM-as-judge, RAG, embeddings and vector search (FAISS), prompt and context engineering, Azure OpenAI, token and cost tracking
Agentic development: Claude Code, GitHub Copilot, Codex, agent skills
Engineering: Python, Pydantic, Polars, automated testing (pytest), Docker, CI/CD (GitHub Actions), Azure, Kedro, statistical testing

PUBLICATIONS AND TALKS

ISPOR 2026 poster, first author, Philadelphia *May 2026*
"Real-world endpoint mapping and identification of evolving phenotypes of Pompe disease using machine learning", with Sanofi, Value in Health 29(S6). Presented it and met prospective clients.

First Steps with AI Tools (talk) *May 2026*
90-minute talk for teachers at KSC's AI in Education conference, Sarajevo.

Microsoft AI Tech Accelerator *Mar 2024*
Presented a Logmind feature demo to executives and investors.

LANGUAGES

Bosnian (native), Turkish (native), English (C2), French (A2)

INTERESTS

Calisthenics, skiing, travelling, personal software projects built with AI coding agents