

Adrien Robino

AI Engineer: LLM applications, Python & data tooling

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Available from April 2027 (end of current public-service contract)

PROFILE

Business-trained, self-taught engineer who turns operational needs into AI and data tools that people use. At the French Embassy's cultural institute in Rome I moved from communications into building the network's decision-support dashboard, its LLM content studio and its server infrastructure. I work with AI coding agents and own the result end to end: data, architecture, deployment, monitoring. Six languages, experience in six countries.

EXPERIENCE

Communications & Course Marketing Officer (VIA)

Mar 2025 – present

Institut français Italia, Embassy of France in Italy, Rome

Volontariat International en Administration. Scope formally extended to data analysis, software and AI tooling.

- **Decision-support dashboard** for the course network: Python/pandas ETL from the booking system (automated exports, merging and deduplication, data-quality checks that flag inconsistent records) → FastAPI → Next.js, recomputed live per filter.
- **LLM content app**: internal tool across several providers (Anthropic, Groq, fal) with a model registry, automatic fallback between providers and grounding on the institute's own content to limit hallucinations; drafts posts, newsletters, visuals and podcasts.
- **Speech and chat**: a chatbot on France's sovereign LLM (Albert API) and a Whisper transcription and subtitle editor. Set up the institute's server (Proxmox, LXC, Docker) and n8n workflow automation.
- Core remit: communication campaigns, social media, performance reporting.

International Project Manager (Master's internship)

May – Sep 2024

visionlab architekturexport, Munich

- Business development on international public tenders (museums, theatres, sports venues) for architecture & engineering firms: tender monitoring, technical and financial proposals, coordination of multidisciplinary teams.

Business Development & Marketing Intern

Jun – Aug 2023

We Hate Tourism Tours, Lisbon

- Market study and online-campaign performance analysis; KPI reporting in Excel / Power BI.

Assistant Project Manager (seasonal)

Jun 2022 – Aug 2023

Normandy DMC, Deauville

- Planning and coordination of corporate events for international groups.

SELECTED PROJECTS (PERSONAL, OPEN SOURCE UNLESS NOTED)

- **Minute and Eli**. *Minute*: live meeting transcription that tells speakers apart (Silero VAD and CAM++ speaker embeddings in ONNX, Whisper through Groq or whisper.cpp), for Windows and macOS. *Eli*: a voice front end for any LLM, answers streamed to Piper TTS sentence by sentence, lip sync timed to the phonemes.
- **LLM pipelines**. *Syllabus*: video transcripts → atomic, testable claims → contradictions between sources surfaced for review → spaced-repetition decks (Python, Claude, Docker, self-hosted). *Forum event monitor*: two-stage LLM triage with a local Mistral model (Ollama), cross-checked against live RSS news, velocity scoring and clustering, FastAPI dashboard + Telegram alerts.
- **Florin**, privacy-first personal finance (web, macOS, iOS): PSD2 bank sync via Enable Banking, loan amortisation, budgeting and a review queue; CI-tested, open source (AGPL), App Store review.
- **Lumen**, an in-browser CT-scan viewer: multiplanar reconstruction, volumetric path tracing, segmentation, and measurements read from the raw voxels, never from the GPU texture. Shown on a synthetic phantom.
- **Binary translation research**: static recompilation of a commercial 32-bit Windows executable to native ARM64 (LLVM/Remill, C++17, Python tooling), tracked with measured, reproducible runs.
- **Also shipped** (free, open source): LiveLoop (macOS virtual camera extension), ScreenHere (menu-bar capture + on-device OCR), Aura (SwiftUI music client), Haze (macOS live wallpapers).

SKILLS

Languages: Python (pandas, FastAPI, asyncio, Playwright), TypeScript / Next.js, SQL, Swift, C++ (tooling)

AI: LLM applications (Anthropic, Groq, Mistral/Ollama, Albert), multi-provider fallback, grounding, structured extraction, Whisper ASR, AI coding agents

Data & ops: ETL & data-quality checks, dashboards, Postgres/Supabase, SQLite, Docker, Proxmox, Vercel, GitHub Actions, n8n

EDUCATION

Master's, International Business Development, Université de Caen Normandie

2022 – 2024

Grand Prix de l'International (French Foreign Trade Advisors, CCE) & Prix de la Vocation Internationale 2024. Erasmus+ semester, University of Warsaw (2023)

Bachelor's, Applied Foreign Languages (English/Spanish/Italian), Université de Caen Normandie

2019 – 2022

Baccalauréat scientifique, mathematics major, Lycée André Maurois, Deauville

2019

LANGUAGES

French (native), English (bilingual, TOEIC 990/990), Italian (C1–C2), Spanish (C1), Polish (A2), German (A2)