

Knowledge and Technical Skills

Languages	Python, S/TS, SQL, C, C++, ASM (x86-64, ARM)
Frameworks	PyTorch, TensorFlow, CUDA, OpenGL, SDL2, Cloudflare Workers
System Admin	Unix (Linux/*BSD), Shell scripting, Docker, Qemu
Hardware	Digital Logic, Hardware Design, Embedded Systems, RF Systems
Neural Networks	LLMs, TTS, Text Classification, Speech Generation
APIs	Telegram Bot API, Discord Bot API, OpenAI API
Tools	Git, Vim, Jupyter, LaTeX, GDB, Valgrind

Personal Projects

Open-source Projects	Contributed to several open-source projects, mostly linked to OS development and low-level systems (C/C++, OS Dev, Drivers).
Radio engineering	Designed and built radio communication systems for IoT and amateur radio applications.
LLM Training	Trained and evaluated LLMs for TTS, text classification, and speech generation applications.
AI Alignment	Socio-political research on AI alignment and bias mitigation (research paper).

Relevant Experience

Current	AI R&D , <i>Unsuspicious Industries</i> , R&D Department Working on AI research and development.
2024	Freelance AI engineering , <i>Direction de l'Accélération et de l'Innovation (DAPI)</i> , Radiofrance Developed AI applications and models in a freelance capacity.
2023	Research Internship , <i>University of California, Santa Cruz</i> , Santa Cruz, CA Developed a new computer vision algorithm for 3D face models recognition (research paper).
2021	Internship , <i>Laboratoire Matériaux et Phénomènes quantiques (CNRS / Université Paris Cité)</i> Looked at complicated machines and listened to smart people.

Education

Current	École Normale Supérieure , <i>Lyon</i> , Student of Physical sciences, Economics and Mathematics.
Current	Aix-Marseille Université , <i>Marseille</i> , Student in Mathematics and Computer Science
Past	Lycée Racine , <i>Paris</i> , Computer Science and Math major.

Additional Information

SAT	1480
TOEFL	105
Baccalauréat	Très Bien