

Marin de Vanssay

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PROFILE

First-year Master's engineering student at IMT Atlantique (M1) with an international background (lived in five countries) and hands-on experience founding and running a B2B software product. Comfortable moving between technical execution and customer-facing work.

EDUCATION

IMT Atlantique: Engineering Grande École (ranked 3rd/174 nationally, L'Étudiant) 2025 – Present

Admitted via Concours Mines-Ponts, LOGIN specialization (Software Engineering & Innovation)

Coursework: control systems, electronics & instrumentation, and software engineering (backend development in Java and Python).

Fénelon Sainte-Marie: Preparatory School (CPGE, MP2I/MPI*) 2023 – 2025

Paris, France. Advanced training in mathematical and computer science theory, applied to hands-on implementation. Computer Science: algorithms and data structures, databases (SQL), graph theory, automata and formal languages, programming in C++ and OCaml.

CS50: Introduction to Computer Science, Harvard University (self-directed, online) 2020

WORK EXPERIENCE

Founder & Independent Developer, Vanssay Company (vanssay.net) 2026

- Built and marketed B2B Framer plugins (review aggregation, geo-targeting) with AI coding assistants; designed a reusable plugin architecture, managed self-hosted Docker containers and built a safe AI-driven deployment workflow.
- Shipped 4 plugins independently and reached 100 active users in 60 days, 10% of them paying customers.

Line Operator & Maintenance, Sphère Production (Worker Internship) Jun – Jul 2026

- Worked the production line and performed maintenance at a food manufacturing plant (IMT Atlantique's mandatory first-year worker internship), helping maintain continuity amid high staff turnover and frequent equipment failures.

Mathematics, Physics & Python Tutor 2022, 2025 – 2026

- Tutored high school students in mathematics and physics, and beginners in Python.
- Sold freelance Minecraft WorldEdit and building-technique courses on Fiverr, on personal initiative.

Sales Associate: le typographe (Premium Stationery Boutique) 2022

- Gained experience in attention to detail, sales, and customer service.

PROJECTS

LethalBOT: PRONTO Engineering Project (IMT Atlantique) 2025 – 2026

Team of 5

- Designed and built an autonomous line-following robot with computer vision guidance on a Raspberry Pi Pico W (Python), custom KiCad PCB, and 3D-printed chassis.

TIPE: Contact-Based 3D Scanner (CPGE) 2024 – 2025

Team of 3

- Designed a precision mechanical probing system and a data-processing algorithm reconstructing physical surfaces as 3D digital models; successful proof of concept for an alternative digitization method.

CovidRisk: COVID-19 Propagation Risk Evaluator 2021

Team of 2. International Science Festival of European Schools, 3rd place

- Web app (Python/Flask, SQL, HTML/CSS/JS) evaluating COVID-19 propagation risk at events from participants' reported behavior.

SKILLS

Programming & Tools: Python, C++, Java, HTML, OCaml, SQL, NoSQL, JSON, YAML, Docker, Kubernetes

AI Tools: effective use of AI coding assistants, with prompt engineering and token-efficient workflows.

Languages: French (C2), English (C2), Spanish (A2), Danish (A1)

VOLUNTEER WORK

- Food distribution to the homeless through the scout association.
- Volunteer camp counselor (2 participations) for a 7-day scout camp in Belgium, leading activities for children aged 7-8.

INTERESTS

Music: Piano (12 years), Guitar (4 years), Drums (2 years). Sports: Rock Climbing, Biking.