Morgan Pierrefeu

Engineering student at EPITA Lyon · Python developer, automation and production deployment

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Lyon, France

Engineering student and independent developer since 2024. I have designed and shipped **about twenty web applications** on my own, including a tool used every day by **around 400 students**. Looking for an internship in software development, automation or internal tooling.

Education

EPITA, graduate school of computer engineering, Master of Engineering programme — Lyon, France · 2025–2030

- Studied algorithms, computer architecture and mathematics.
- Led a one-year game project in a team of five: data architecture, website, code review with Git.

Erasmus+, study exchange — Frankfurt, Germany · 2025

- Studied in an international environment, with courses taught in English.

Professional experience

Independent developer, pierref.eu — Lyon · 2024–present

- Designed, deployed and maintained **about twenty web applications** alone on a personal server (Linux, Docker, Caddy, backups).
- Built Auriga2Google, which syncs the EPITA timetable to Google Calendar for **around 400 students** every day.
- Built Opticars, a comparator of **5,000+ cars** on **140 criteria**, with a public JSON API and MCP server.
- Published Tonprénom, statistics on **43,000+ French first names** since 1900 from INSEE open data.

Founder, Clear Windows of Lyon, window cleaning — Lyon · 2024–present

- Founded and ran a **profitable sole proprietorship** alongside my studies: prospecting, quotes, invoicing, customer relations.
- Developed the business's internal tools: website, emailing and customer follow-up.

Projects

Fusée and Fluide, embedded electronics — 2026

- Built two solid-propellant rockets, one with ESP32 on-board electronics, and published a flight simulator.
- Programmed a fixed-point FLIP fluid simulation on an ESP32-C3 with an OLED display and an accelerometer.

Automation and AI tools — 2025–2026

- Developed Larchitect, which generates complete Discord servers from a description, with Stripe payments.
- Created Penforge, which converts an image into drawing G-code for **36 3D-printer models**.

Other live projects: Streetsrace, Matchshot, Mailer, Sharator, LBC Studio, Musicator, Creepita. Full list on morgan.pierref.eu.

Leadership and activities

Elected student representative, Lycée La Martinière Duchère — Lyon · 2022–2025

- Voted on the school budget and decisions on the board of governors and the student life council.
- Sat on the health and safety committee and organised the volunteer Citizenship Days.

Sport and mountaineering

- Competed in athletics (**200 m in 22.77 s**) and trained in powerlifting.
- Climbed **two summits above 3,000 m** and organised a solo expedition to Georgia.

Skills, languages and interests

Languages	French (native), English (professional, B2–C1)
Programming	Python, C, C++, JavaScript, SQL, Bash
Web and data	Flask, FastAPI, PostgreSQL, SQLite, Redis, Pandas, REST APIs, OAuth2
Infrastructure	Linux, Docker, Caddy, Nginx, Git
AI and embedded	Gemini, Mistral and Claude APIs, OpenCV, ESP32, Arduino
Interests	Athletics, mountaineering, amateur rocketry