VICTOR LEMAIRE

Engineering Student, Information Systems | Seeking an international internship, June 2027

Angers, France | lemaire.vpro@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

Engineering student at ESEO (Angers), specializing in Computer Science and Information Systems, with hands-on experience from hardware to infrastructure: PCB design, STM32 firmware, FPGA, Linux and Docker. Semester abroad in Poland. Currently a work-study apprentice in information systems at Vivalto Santé, seeking a 12-week international internship starting in June 2027 as part of my engineering degree. Open to relocation.

EXPERIENCE

Vivalto Santé — Le Mans, France

Work-Study Apprentice, Information Systems (24-month contract) — *2026 - Present*

- Provide N1/N2 support and maintenance for workstations, peripherals and ANAPATH equipment (imaging, macroscopy, scanners) across three sites (Le Mans, Saint-Cyr-sur-Loire, Avranches), with GLPI ticketing.
- Contribute to network and security: VLANs, Wi-Fi, monitoring (PRTG, Zabbix), updates, hardening, GPO, EDR.
- Deploy PCs, scanners, cameras and Windows/Linux servers; contribute to network segmentation, virtualization (VMware, Hyper-V) and backup projects.
- Write technical documentation (diagrams, procedures, configurations) and report regularly to my tutor.

Projex — Nantes, France

Intern — *Aug 2025*

- Developed digital data analysis tools in Excel and built quality indicators used for the management review.
- Learned and applied quality management principles based on ISO 9001.

PROJECTS

- **DEEP, Laser Game (team project):** Designed a laser game gun prototype on STM32G431KB with e-paper display, infrared, Bluetooth and a custom PCB (Altium Designer); delivered a working proof of concept with a real-time HUD, a SolidWorks enclosure and a life cycle analysis.
- **Curiosity Space Club, ESEO:** Designed and developed the club website and a real-time telemetry dashboard (temperature, humidity, CO2, GPS) with PHP, JavaScript, Python and Apache2, used during the first weather balloon flight on 28 May 2026, which was tracked up to 12,095 m.
- **Parking Radar PCB:** Designed a reversing radar PCB with an ultrasonic sensor: schematic capture, routing and Gerber export on Altium Designer.
- **FPGA and Access Control:** Designed a microwave oven state machine in VHDL on an FPGA (Basys 3), and an RFID access control module (RC522, Arduino, MariaDB rights check, LCD and LED feedback).
- **Homelab:** Self-hosted infrastructure on Raspberry Pi 5 with Docker Compose (portfolio, Home Assistant, Pi-hole, monitoring, Minecraft server), plus a Synology NAS and an ESP32 OLED display.

EDUCATION

Master's Level Engineering Degree (MEng equivalent), Computer Science & Electronics — Angers, France

ESEO (apprenticeship track, FISA, since 2026) — *2023 - Present*

- Specialization: Computer Science and Information Systems (ISI).
- Integrated international preparatory cycle (2023 - 2025), then engineering cycle. Coursework: embedded systems, FPGA, Linux, object-oriented programming, data structures, project management.

Semester Abroad, Wrocław University of Science and Technology — Poland

Exchange semester taught in English — *Mar - Jul 2025*

- Software engineering, system analysis, Linux server administration and scripting languages.

French Baccalaureate (General), with Honors — Angers, France

Lycée Sacré-Coeur La Salle — *2020 - 2023*

- Specializations: Mathematics, Physics-Chemistry, English Literature.

SKILLS

Programming & Web: C/C++, Java, Python, VHDL, SQL, Bash, PowerShell, PHP, JavaScript, HTML/CSS

Embedded & Hardware: STM32, Arduino, ESP32, Raspberry Pi, FPGA, PCB design (Altium Designer), SolidWorks, 3D printing

Systems & Tools: Linux (Debian, Arch), Windows, Docker, Git, Apache2, MariaDB, TCP/IP, VLAN, DHCP, DNS, VMware / Hyper-V, GLPI, PRTG / Zabbix

Certifications: Project Management MOOC (2026); French Aeronautical Initiation Certificate (BIA)

Languages: French (native), English (B2), Spanish (A2), Polish (A1)