

JEAN-MARC KERVIL

Embedded Systems & Electronics Engineering Student

Location: France (open to relocation)

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PERSONAL STATEMENT

Embedded systems and electronics engineering student at Centrale Nantes seeking a 3-month summer internship (June–August) in an english speaking country. Strong hands-on experience in PCB design, embedded programming, test bench development and industrial maintenance. Comfortable working in R&D and manufacturing environments.

EDUCATION

Engineering Degree in Embedded Communicating Systems

Centrale Nantes, France 2025 – Present

Relevant coursework:

- Embedded systems architecture
- Microcontroller communication
- Electronics and signal processing
- Real-time systems

Bachelor's Degree in Electrical Engineering and Industrial Computing (GEII)

IUT of Nantes, France 2022 – 2025

Key projects:

- Embedded electronic board design
- Autonomous traffic light using image processing
- GPU-based parallel programming
- Introduction to artificial intelligence for embedded systems

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Bash, VHDL, ROS 1, ROS 2

Embedded Systems and Hardware: Microcontrollers (SAM21), Raspberry Pi, Jetson Nano, Arduino Uno, Arduino Mega, Arduino Leonardo, PCB design

Tools and Software: KiCad, OrCAD, Vivado, Embedded Studio, Visual Studio Code, Git, GitHub, GitLab, Arduino IDE, Fusion, Power BI

Engineering Concepts: DFM, DFT, signal processing, test bench development, validation, troubleshooting, process control

PROFESSIONAL EXPERIENCE

Apprentice Electronics Engineer

Jeumont Electric, Étupes, France September 2025 – 2028

- Design and development of new electronic boards
- Creation of electronic test benches
- Modernisation and optimisation of existing PCB designs
- Participation in validation and testing activities

Research Intern – Optical Engineering Laboratory

IMT Atlantique, Brest, France March 2025 – June 2025

- Installation and integration of a nano-scale 3D printer (FABulous project)
- Configuration and validation of laboratory equipment
- Technical support for research activities

Process Technician Intern – Electronics Manufacturing

Safran Electronics & Defense, Fougères, France January 2024 – March 2024

- Monitoring of PCB manufacturing processes
- Support to electronic card production
- Participation in quality control and process optimisation

Electro-Technician (Seasonal Position)

Mix Buffet, Guer, France

2023 – 2025

- Electrical, mechanical, hydraulic and pneumatic maintenance
- Fault diagnosis and corrective maintenance in industrial environment

LEADERSHIP AND ACTIVITIES

Vice-President and Treasurer

RINO Robotics Association, Nantes 2023 – 2025

Design and construction of robots for competitions

Budget management and team coordination

Scout Unit Leader

French Scouts 2013 – Present

Team leadership and project organisation

Supervision of young people aged 8–17

Head of Partnerships

Partnership manager

Centrale Nantes Student Life 2025 – Present

Development of partnerships with companies

LANGUAGES

French: Native

English: Professional working proficiency (B2)

German: Basic

REFERENCES

Available upon request