



Marc GAUTHIER

Robotics Engineering Student / Apprentice

Seeking an engineering position starting September 2026

marc-gauthier.com

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Driving licence (B)

Languages

French

Native

English

B2

Assets

Rigorous

Attentive

Curious

Motivated

Interests

Passion for automotive engineering and mechanical systems

Passion for innovative technologies and their application in automation and smart industrial systems

Sports: Handball (11 years)

Music: Drums (7 years), former orchestra member

Work experience

Automation Engineer / Equipment Engineer

Since 2023 [Essilor International](#) Dijon (France)

Member of the Advanced Maintenance – Automation Deployment & Maintenance team within the EssilorLuxottica group, supporting 20 international production sites.

- Deployment of industrial automation projects across various international sites
- Piloting and improvement of PLC-based industrial robot standardization
- Development of monitoring and performance analysis tools (FTE, CAPEX, ROI)
- Participation in commissioning, testing, and validation of robotic cells
- Optimization of cycle times and improvement of equipment reliability
- Diagnosis and resolution of technical issues (mechanical, automation, and industrial communication)
- Implementation of predictive maintenance solutions (vibration analysis, data analysis)
- Evaluation of technical solutions and contribution to their deployment within the group

Mobilité internationale

From January 2026 to March 2026

[Transitions Optical Limited & Organic Lens Manufacturing](#) Tuam/Ennis (Ireland)

- Immersion in production and R&D sites of the EssilorLuxottica group – analysis and understanding of processes and industrial equipment
- Development of a proof of concept for predictive fire detection using thermal imaging, including study of deployment and operational use

Education

Engineering School

From 2023 to August 2026 [POLYTECH Dijon](#) Dijon / Le Creusot

Specialization: Robotics / Cobotics

Main subjects: Mathematics, Mechanics, Programming, Robotics, Automation, Computer Vision, 3D stereo reconstruction, data analysis

Final-year project: Development of an autonomous robot guide (Niryo) – Python, computer vision (filters & AI classification), mechanics and algorithms ([see portfolio](#))

Engineering preparatory classes (CPGE - France)

From 2021 to 2023 [Lycée Carnot & Gustave Eiffel](#) Dijon

- **Sector PSI (2022-2023)** - Lycée Gustave Eiffel, DIJON
- **Sector MPSI (2021-2022)** - Lycée Carnot, DIJON - Industrial Sciences Option

Main subjects: Mathematics, Physics, Industrial Engineering, Computer Science, English

Personal Projects

Personal website (technical portfolio) – [marc-gauthier.com](#)

Design and deployment of a web application for CV hosting, HTTPS, DNS management, and security/performance optimization

NAS Server - Deployment and administration of a personal storage server, management and data security ([see portfolio](#))

PC Control Box - Mechanical design, electronics, and programming of a control device, integration and functional validation. ([see portfolio](#))

Home Automation System - Deployment of a home server, design and automation of smart home functions, monitoring and maintenance of a connected system

Skills

Programming & Data

- **Languages:** Python, C++, Arduino
- **Computer Vision:** OpenCV, TensorFlow, 3D stereo reconstruction
- **Data analysis & Machine Learning** (dataset creation, ML models) - **Databases:** MySQL

Automation & Robotics

- **Industrial robotics:** FANUC (certified), Staubli (certified), ABB (training).
- **Mobile & collaborative robotics:** ROS 2, Niryo Ned2/3
- **PLC programming:** Omron, Siemens, Schneider

Systems & Industrial Computing

- **Operating systems:** Windows, Linux, TrueNAS SCALE, Raspberry Pi OS
- **Networks:** basic system and server administration
- **Mechanical design:** SolidWorks, CATIA V5 & 3D printing (tool preparation and usage)
- **Office suite**
- Strong foundations in **mathematics and physics/chemistry**

