MAXIME ROBIN

Currently seeking a 6-month internship for the summer session.

EDUCATION PROFILE

Dual Degree - Master's in Computer Science, specialization in Artificial Intelligence

University of Sherbrooke, Sherbrooke, Canada | 2025 - 2026

General Engineering Degree - Embedded Systems

Equivalent to a Master's degree in Canada

ESEO, Paris, France | 2023 - 2026

Erasmus Semester - Computer Science

Transport and Telecommunication Institute (TSI), Riga, Latvia | February 2023 - July 2023

Preparatory Classes for Engineering Schools (CPGE)

Integrated Preparatory Program

ESEO, Paris | 2021 - 2023

French Baccalaureate - Mathematics, Biology, Physics

Lycée Louis Bascan, Rambouillet, France | 2018 - 2021

PROFESSIONAL EXPERIENCE

Automation Internship

Othua (Stellantis), Trnava, Slovakia | July 2024 - December 2024

Contributed to the modernization of automotive production lines (Citroën C3, Opel Frontera).

Programmed and troubleshot industrial robots, PLCs, and HMIs using TIA Portal and STEP7.

Participated in the transition toward mixed ICE/BEV production.

Technical Internship - Geometry and Assembly

Stellantis, Trnava, Slovakia | July 2023 - September 2023

Participated in the adjustment and optimization of assemblies and analyzed measurement reports.

Prepared weekly KPI reports to monitor production.

Factory Work - Electrical Vehicle Inspection

Stellantis (PSA Group), Poissy, France | July 2022 - August 2022

Inspected and tested electric vehicles on the production line (DS3 E-TENSE, OPEL Mokka).

ACADEMIC PROJECTS

Project - Cyberattack Simulation

University of Sherbrooke | 2025

Conducted a penetration test using Kali Linux: exploited open port vulnerabilities to establish a remote session .

Performed privilege escalation and implemented a logging system for target behavioral analysis.

ProSe Project - Intrusion Detection System (AEGIS)

ESEO | 2024 - 2025

Designed and developed, within a team of eight, a system integrating Raspberry Pi, IP cameras, and an Android app for secure video capture and monitoring.

Roles within the team: project manager, quality manager, developer.

Project - UART Connection System

ESEO | 2024

Implemented several STM32-connected sensors using SSH with a Raspberry Pi board communicating via the UART protocol.

Project - Autonomous Robot Control

ESEO | 2024

Developed, in a team of two, a robot control application in C communicating with a Java simulator.

Programmed various movement modes (predefined paths, wall-following) with multitasking management (pthread).

Integrated the MRPiZ library and the Intox MrPizz simulator for virtual robot communication.

Project - Website with Access Rights Management

ESEO | 2023

Developed a dynamic website combining HTML/CSS/JavaScript for the front-end and an SQL database for the back-end.

Implemented a three-level access rights management system: Administrator, Employee, and Visitor.

Set up secure login/password authentication and an adaptive interface according to user roles.

Project - Car Dashboard

ESEO | Semester 4 2022

Developed, in a team of two, a car dashboard on STM32 including sensors and a custom electronic board.

Project - 100% Autonomous Sailboat

ESEO | Semester 3 2022

Developed, in a team of four, an autonomous sailboat integrating sensors and embedded control (Arduino), including algorithm defense.

Arduino Project - Touch Unlock Latch

ESEO | Semester 2 2021

Designed and programmed, in pairs, an Arduino latch with a technical presentation.

SKILLS

Programming:

Python, C, C++, Java, Android, HTML/CSS/JavaScript, SQL, Arduino, Raspberry Pi, STM32, Git, UML, CATIA.

Industrial Automation:

Siemens TIA Portal, STEP7.

Fields:

Embedded systems, artificial intelligence, deep learning, web development, electronics.

LANGUAGES & INTERESTS

Languages:

French (native), English (TOEIC 825), Spanish (intermediate).

Interests:

Swimming, Formula 1, travel (Latvia, Slovakia, Canada, Europe, America, etc.).

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