

MAXIME ROBIN

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

EDUCATION

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

Université de Sherbrooke, Sherbrooke, Canada | 2025 - 2026

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

High School Diploma (French Baccalauréat) - 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 troubleshooted industrial robots, PLCs, and HMIs using TIA Portal and STEP7.

Participated in the transition to mixed ICE/BEV production.

Technical Internship - Geometry and Assembly

Stellantis, Trnava, Slovakia | July 2023 - September 2023

Participated in assembly fine-tuning activities and analyzed measurement reports.

Prepared weekly KPIs for production monitoring.

Factory Work - Vehicle Electrical Testing

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

ProSe Project - Intrusion Detection System (AEGIS)

ESEO | 2024 - 2025

Designed and developed, in a team of 8, a system integrating Raspberry Pi, IP cameras, and an Android application for secure video stream capture and monitoring.

Team roles: project manager, quality manager, developer.

Project - UART Connection System

ESEO | 2024

Implemented on STM32 multiple sensors connected via SSH to a Raspberry Pi communicating through the UART

protocol.

Project - Autonomous Robot Control

ESEO | 2024

Developed, in a team of 2, a robot control application in C language communicating with a Java simulator.

Programmed different movement modes (predefined trajectories, wall following) with multitasking management (pthread).

Integrated the MRPiZ library and 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 (full access), Employee (restricted access), and Visitor.

Set up secure authentication via login/password and adaptive interface based on user role.

Project - Automotive Dashboard

ESEO | Semester 4 2022

Developed, in a team of 2, a car dashboard on STM32 with sensors, design and soldering of an electronic board.

Project - 100% Autonomous Sailboat

ESEO | Semester 3 2022

Developed, in a team of 4, an autonomous sailboat integrating sensors and embedded control (Arduino), with algorithm presentation.

Arduino Project - Touch-Activated Door Lock

ESEO | Semester 2 2021

Designed and programmed, in pairs, an Arduino door lock with 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.

Domains:

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, Americas...).