

Redwan Benmansour

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Objective

As an electronics and electrical engineering student, I am actively seeking a 12-week internship abroad starting in February 2025. This opportunity would allow me to develop my professional skills, gain practical experience in my field, and expand my international network.

Education

Bachelor Universitaire de Technologie en Génie Électrique et Informatique Industrielle Châteauroux, France
IUT de l'Indre Sept 2022 - Current

- A 3-year degree program in Electronics and Electrical Engineering
- Courses:** Power Electronics, Electrotechnics, Motor Control, Control Theory, Pulse Width Modulation Techniques, Automation, Supervision, IoT, PCB Design, Electronics, Microcontroller Programming, Industrial Computer Science, Signal Theory

Lycée Pierre et Marie Curie (High School) Châteauroux, France
Baccalauréat Graduated in 2021

- Passed with Distinction
- Specialised in Physics and Maths

Work Experience

Andritz Separation Châteauroux, France
Automation Intern Apr 2024 - Jun 2024

- Wiring design of controls pannels for a training test bench
- Automated and optimised the data handling with an Excel macro in VBA for an ERP system
- Studied the feasibility for a LoRaWAN monitoring project

High School Tutoring Châteauroux, France
Academic Support 2021 - Current

- Tutoring in mathematics and physics for high school students

University Projects

Electrical Kart Test Bench Châteauroux, France
IUT de l'Indre Sept 2024 - Dec 2024

- Design of a power electronics system for a electric kart test bench. Study of electric drives and energy reinjection into the grid

Ball and Beam Control Theory System Châteauroux, France
IUT de l'Indre Sept 2023 - Dec 2023

- Development of a Ball and Beam control system utilizing an Arduino board and Matlab Simulink as a digital controller. Implementation of various types of controllers and creation of documentation for educational purposes

Skills

Languages	French (Native proficiency), English (C2 proficiency : https://cert.efset.org/z3fq97)
Programming	C/C++, Python, VBA, VHDL.
Automation	Ladder, Structured Text, Grafcet (Siemens TIA Portal, Schneider ControlExpert)
CAD	KiCAD, Altium, SolidWorks, Autodesk Fusion, SEE Electrical, QElectroTech
Simulation	LTSpice, PSIM, MATLAB, Simulink, LabView
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation

Interests

Home Automation	Passionate about developing and integrating smart home automation systems
Trainspotting	Enthusiastically engaged in trainspotting, with a keen interest in railway systems and their history
Travel	Passionate about traveling, with a love for exploring new cultures and destinations
Sport	Swimming and muscle-development exercises

References available upon request.