

# Redwan Benmansour

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## Objective

As an electronics and electrical engineering student, I am seeking an internship abroad to develop my professional skills 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 and IoT

**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

- 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** 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 (Professional proficiency)
- Programming** C/C++, Python, VBA, VHDL.
- Automation** Ladder, Structured Text, Grafcet (Siemens TIA Portal, Schneider ControlExpert)
- 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
- Swimming** Enjoy swimming regularly to stay active and healthy

References available upon request.