

ANAS ZEHRAOUI

Embedded Systems Engineer

@ anas.zehraoui17@gmail.com

🚗 Driver's License B

+33745584049

📍 31000, Toulouse

in ZEHRAOUI Anas



PROFILE

Embedded Systems Engineer graduated from Polytech Lille, motivated and dynamic. Looking for a **fixed-term/permanent position** in embedded computing and industrial automation. Available from September 2025.

EXPERIENCE

Internship - Developer/Data Analyst

AIRBUS

AIRBUS

📅 Feb. 2025 – Aug. 2025 (ongoing) 📍 Toulouse, France

- **Mission:** Design of an end-to-end solution (Python, Django, React, javascript) for digital transformation of processes.
- **Impact:** Data architecture and interface improving operational efficiency.

Connectivity Engineering Internship



CETIM

📅 Apr. 2024 – Aug. 2024

📍 Saint-Étienne, France

- **Mission:** Digitization of industrial maintenance and IoT implementation for real-time supervision.
- **Impact:** Monitoring solution (Node-RED, Grafana) reducing downtime.

Business Manager at Junior Enterprise



PULCE - Polytech Lille

📅 Feb. 2023 – Feb. 2024

📍 LILLE, France

- **Mission:** Interface between clients and student teams for technical projects.
- **Impact:** Increase in projects signed with industrial partners.

PROJECTS

Open Source MES – Industrial Supervision

- **Innovation:** Creation of a real-time system to collect and analyze production machine data.
- **Technology:** Real-time visualization of performance and optimization of production flows.
- **Skills:** Tia portal, Node Red, Influxdb, Modbus, MQTT.

E-Presence: Automated Attendance System

- **Achievement:** Development of a system for student identification and registration (NFC and facial recognition).
- **Impact:** 90% reduction in attendance management time.
- **Skills:** Python, PostgreSQL, Flask, OpenCV, Raspberry Pi.

EDUCATION

Embedded Systems Engineer

Polytech Lille

📅 2022 – present

📍 Lille, France

Preparatory Classes in Technology and Industrial Sciences (TSI)

CPGE Salmane Al Farissi

📅 2020 – 2022

📍 Salé, Morocco

High School Diploma in Electrical Science and Technology

Lycee Moulay Abdellah,

📅 2019 – 2020

📍 Sidi Kacem, Morocco

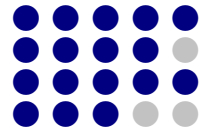
LANGUAGES

French

English (TOEIC B2)

Arabic (Native language)

German (Intermediate)



INTERESTS

Travel

Sport

Embedded Development

Artificial Intelligence

Technological Innovations

Technical Reading

HARD SKILLS

- **Languages:** C/C++, Python, MATLAB, HTML/CSS, JavaScript, PHP, SQL, Shell
- **Frameworks:** Node-Red, ROS2, FreeRTOS, ReactJS, Flask
- **Tools:** Ansible, Docker, Grafana, Git/Github
- **Databases:** MySQL, MariaDB, PostgreSQL, InfluxDB
- **OS:** Linux, Windows
- **Protocols:** TCP/IP, MQTT, MODBUS, UART, HTTP
- **Software:** VMware, KVM, Labview, Visual Studio