



# ZAOUIA MOUAD

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## PROFILE

Final-year engineering student in Computer Science and Networks at EMSI Marrakech, majoring in MIAGE (Computer Methods Applied to Business Management).

I am seeking a final-year internship (PFE) starting March 1st, 2026, for a duration of 4 to 6 months, with the possibility of pre-employment.

## TECHNICAL SKILLS

- **Object-Oriented Programming:** Java, C# , PHP
- **Administration :** Oracle / UNIX / Windows
- **Frameworks :** React.js, .NET, Spring Boot, TailwindCSS
- **Databases:** MySQL, SQL Server, SQLite, PostgreSQL
- **Data Science & Machine Learning :**Python (NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow)

## ACADEMIC EXPERIENCE

**Engineering Cycle in Computer Science and Networks — MIAGE Specialization** 2023 – Present

- EMSI : Moroccan School of Engineering Sciences, Marrakech

**Integrated Preparatory Cycle — Computer Science and Networks** 2021 - 2023

- EMSI : Moroccan School of Engineering Sciences, Marrakech

**International Baccalaureate — Physical Sciences** 2020- 2021

- Shaheed Saleh Serghini High School, Benguerir

## PROFESSIONAL EXPERIENCE

**Intern in AI & Computer Vision — UXVCenter (Remote)** July – August 2025

- Designed and developed an automated analysis tool for plyometric exercises (jumps, squats).
- Annotated and processed video data, trained a TensorFlow/Keras model, and integrated it into a WPF application for real-time visualization.

**Web Development Intern — OCP, Benguerir** August 2024

- Developed a weekend duty management web application.
- Automated the duty rotation process using an algorithm, managed unavailability with automatic replacements, and created an interface for secretaries to monitor the schedule.

## ACADEMIC PROJECTS

**Design and Development of a Cross-Platform Homework Management Application**

- Mobile and web application for managing assignments, deadlines, and grades.
- **Technologies:** Android Native, Spring Boot, React.js, PostgreSQL, UML

**Design and Development of an Employee Management Application Using Facial Recognition**

- Intelligent desktop application for automated attendance tracking through facial recognition.
- **Technologies:** Python, OpenCV, Tkinter, SQLite, UML

## CERTIFICATIONS (COURSERA)

- [Software Design and Project Management](#)
- [Programmation orientée objet \(en C++\)](#)
- [Java \(Object-Oriented Programming\)](#)
- [React \(Front-end\)](#)