

Ouail El Maadi

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Profile

Computer Science graduate with hands-on experience in AI, full-stack development, and data analytics. Skilled in building scalable web applications, integrating machine learning models, and improving business processes through data-driven solutions. Seeking to contribute to innovative software or data engineering teams.

Education

Al Akhawayn University (ABET Accredited) | Ifrane, Morocco

Bachelor of Science in Computer Science (Minor in Business Administration) | December 2025

Honors Programs:

Dean's List (Fall 2023, Fall 2024, Spring 2025)

Technical University of Ostrava | Ostrava, Czech Republic

Exchange semester | February 2024 - July 2024

SKILLS

Programming: Python, C, C#, Java, JavaScript

Web Development: React, Node.js, Flask, ASP.NET Core, Tailwind CSS, HTML/CSS

Data & Databases: PostgreSQL, SQL Server, MongoDB, SSMS, SSRS, Google Data Studio

AI & Tools: TensorFlow, Spark, Kafka, Hugging face

Soft Skills: Teamwork, Leadership, Problem Solving, Agile Methods

Professional Experience

AI & Full-Stack Software Engineer Intern | February 2025 – September 2025

INTELLCAP | Morocco

- Contribute to the development of a healthcare web application for brain tumor analysis and visualization using Flask, FastAPI, and React.
- Integrate AI models for DICOM-to-NIfTI conversion, slice-based MRI visualization, and tumor prediction from medical scans.
- Build interactive dashboards and patient management features (CRUD) to enhance clinical workflow and data accessibility.

Developer & Researcher | September 2024 – Present

HPC MOROCCO | Morocco

- Develop the Morocco HPC Platform (React, Tailwind CSS, JavaScript) to host and centralize HPC webinars and scientific content.
- Contribute to the research team by organizing webinars with top-tier HPC experts to explore optimization strategies and emerging challenges in high-performance computing.

Software Engineer Intern | July 2024 – August 2024

Ministry of Agriculture of Morocco | Morocco

- Developed and integrated dynamic reports with SSRS and SSMS into an ASP.NET Core application to optimize data analysis and visualization.
- Implemented secure and scalable backend architecture with SQL Server, adhering to the MVC model.

Software Engineer Intern | June 2023 – August 2023

Lafarge Holcim | Morocco

- Developed modern, responsive user interfaces with HTML, CSS, JavaScript, and React JS.
- Integrated PostgreSQL for managing data related to products, services, and customer interactions.
- Set up an interactive catalog, customer portal, and order tracking system to optimize the user experience.

Data Analyst Intern | December 2022 – January 2023

Veolia | Morocco

- Designed interactive reports and dashboards with Google Data Studio for data visualization and analysis.
- Integrated data from databases and spreadsheets to optimize reporting and decision-making