Ouail El Maadi

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Profile

Computer Science graduate with a strong foundation in artificial intelligence, full-stack development, and data analytics. Passionate about building high-performance web applications, integrating machine learning models, and optimizing business processes through data-driven solutions. Eager to contribute to innovative software and data engineering teams.

Education

Al Akhawayn University (ABET accredited) | **Ifrane, Morocco**
Bachelor of Science in Computer Science (Minor in Business Administration) | December 2025

Honors & Distinctions:
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, Git, Vercel
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

- Contributed to the development of a healthcare web application for brain tumor analysis and visualization using Flask, FastAPI, and React.
- Integrated AI models for DICOM to NIfTI conversion, slice-based MRI visualization, and tumor prediction from medical exams.
- Created interactive dashboards and patient management capabilities (CRUDs) to improve clinical workflow and data accessibility.

Developer & Researcher | September 2024 – Present
HPC Morocco | Morocco

- Developed the Morocco HPC platform (React, Tailwind CSS, JavaScript) to host and centralize HPC webinars and scientific content.
- Contributed to the research team by hosting webinars with leading 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 integrate dynamic reports with SSRS and SSMS into an ASP.NET Core application to optimize data analysis and visualization.
- Implemented a secure and scalable backend architecture with SQL Server, adhering to the MVC model.

Software Engineer Intern | June 2023 – August 2023
Lafarge Holcim | Morocco

- Development of modern and responsive user interfaces with HTML, CSS, JavaScript, and React JS.
- Integrated PostgreSQL for managing data related to products, services, and customer interactions.

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