

Oualid KHMAICH

Computer Science Student at École Mohammadia d'Ingénieurs

Morocco
Rabat, Agdal
06 48 47 45 34
khoualid@gmail.com
oualidkhmaich.vercel.app
in oualidkhmaich



Profile

Third-year Computer Science student at **EMI**, passionate about **data science, artificial intelligence, and cloud**. Curious, autonomous, and committed, actively seeking a PFE internship starting mid-January.

Education

2023 – Present	École Mohammadia d'Ingénieurs (EMI) – Computer Science and Digitalization
2022 – 2023	École Centrale Casablanca (ECC) – General Engineering
2019 – 2022	Preparatory Classes CPGE – MPSI-MP
2018 – 2019	Scientific Baccalaureate in Physical Sciences (High Honors)

Experience

June 2025	PFA Internship - CHU Ibn Sina, Rabat – Developed a web application for detecting and monitoring an ophthalmologic disease: tested multiple Deep Learning architectures, then optimized via fine-tuning on EfficientNet to achieve 83% accuracy . (2 months)
March 2025	Alternating Internship - Thales, France – Practical training in Cloud & DevOps: implemented IAM best practices, AWS use cases, and hands-on labs. (2 months)
July 2024	Internship - OCP Morocco – AI voice assistant: improved an existing project (Jarvis) with a database for multiple tasks and deployed an offline LLM to replace the premium API. (1 month)
July 2023	Internship - UTAC Morocco – Introduction to engineering roles and hands-on learning. (1 month)

Academic Projects

At EMI

Water Desalination Project:

Executed using a *learning by doing* approach with a real dataset: data preprocessing and analysis, application of ML and DL models, followed by model deployment and implementation of an MLOps pipeline (in an Agile-like environment).

Opportunit Platform:

Developed a platform connecting students and graduates with opportunities using Angular, Spring Boot, Flask, and PostgreSQL. (Integrated project, 3 months, 4 people)

Medical Awareness Application:

Built an alert and awareness app for chronic diseases (diabetes, heart) using Angular, Flask, and Machine Learning.

Assistant Chatbot:

Designed an intelligent chatbot using intent-based methods and a manually trained NN with Keras, deployed via Flask to assist users with their condition. (Individual project)

At ECC

Smart City – Speed Limiter (PLBD) :

9-month project handled end-to-end: research, planning, web and AI development, task tracking, and team coordination. Supervised by the Deputy Director of ECC Engineering Curriculum.

Movie Recommendation System:

Developed a clustering-based recommendation system using Python and Machine Learning (Coding Week project, 6 people).

Skills

Languages

Python, Java, JavaScript, HTML/CSS, SQL

Technologies

Angular, Spring Boot, Flask, Scikit-learn, Pandas, TensorFlow, Spark, MySQL, PostgreSQL

Cloud & DevOps

AWS, Docker, CI/CD, Git

Tools

Figma, Canva (UI/UX); Word, Excel, PowerPoint (Office)

Certificates

Stanford University & DeepLearning.AI

Machine Learning

DeepLearning.AI

Neural Networks and Deep Learning

Convolutional Neural Networks

Qualities & Interests

Autonomous, curious, punctual, team player

| IBM – Data Science, Tools, Methodology

BCG & University of Virginia – Digital Transformation

Udemy – Docker and Kubernetes: The Complete Guide

FreeCodeCamp – Responsive Web Design Developer

Languages

Arabic - Native

French - Advanced (B2)

English - Upper-Intermediate (B1+)

| Music, travel, football, basketball, volleyball