MAROUANE EL HADARI

COMPUTER SCIENCE AND
APPLIED MATHEMATICS
STUDENT – ENSIMAG

CONTACT

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FORMATION

2024-2027
EGRENOBLE INP–ENSIMAG, FRANCE

B.Eng. in Computer Science and Applied Mathematics

2022-2024
LYCÉE MOULAY YOUSSEF, RABAT

Preparatory Classes MP*
(Mathematics–Physics)

2022
LYCÉE KHALIL ABDELHAFID, SALA AL JADIDA

Baccalaureate in Mathematical Sciences
B – High Honors

COMPETENCIES

- Intercultural awareness and adaptability
- Public speaking and guest relations
- Teamwork and coordination under pressure
- Information handling and organizational skills
- Professional discretion and reliability

LANGUAGES

- Arabe-Native
- Français - advanced
- Anglais-advanced

PROFIL

CS & Applied Math student at Ensimag. Passionate about coding, innovation, and surviving on espresso shots. Looking for an internship to sharpen my skills and maybe upgrade from instant coffee to the real stuff.

EXPERIENCES

Volunteer Tourist Guid-Rabat 2022

- Welcomed and accompanied international tourists visiting historical monuments.
- Explained cultural heritage clearly in English.
- Ensured visitors' comfort, answered questions, and adapted to diverse backgrounds.

Class Delegate – Lycée Moulay Youssef 2023

- Represented classmates in front of administration and professors.
- Facilitated communication between students and faculty, ensuring smooth coordination.

Intern- CEAC Rabat 2025

- Developed an AI-powered chatbot to support CEAC users and answer administrative questions.
- Adapted digital solutions to organizational needs, ensuring usability for non-technical staff.
- Worked closely with managers and colleagues, strengthening teamwork, adaptability, and communication.

PROJECTS

Algorithmics & Data Structures february 2025

- Designed and compared several algorithms to detect connected components in point clouds.
- Optimized performance to efficiently handle large volumes of data.

Information Retrieval with LLMs april 2025

- Collaborated on a question–answering system using GPT-4o-mini to query a document database.
- Implemented a reproducible solution with automated document parsing and CSV-formatted answers.

JPEG Decoder in C may 2025

- Designed and developed a JPEG decoder in C, capable of reading, analyzing, and decompressing JPEG files.
- Implemented metadata extraction (dimensions, Huffman tables, quantization) and image generation in .pgm/.ppm formats.