

MOUAD AIT EL AOUAD

Full-Stack Developer | Computer Science Student | CTF Player

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ABOUT ME

Full-stack Developer and Computer Science student at 1337. I have a strong background in web development and problem-solving. After training at CMC Laayoun, I completed an internship where I gained hands-on experience building real-world projects. I am a fast learner, a great team player, and ready to contribute to technical projects.

EDUCATION

1337 Coding School | 2024 - Present

Computer Science Student & CTF Player

- Learning through hands-on projects focused on algorithms and low-level programming.
- Developed a self-taught mindset by working independently and collaborating with peers.
- Active CTF (Capture The Flag) player, focusing on cybersecurity and advanced problem-solving.

CMC Laayoun | 2022 - 2024

Full-Stack Developer Diploma (Technicien Spécialisé)

- Studied database management and core programming principles.
- Worked on team projects to create digital tools and applications.

Lycee al maarifa | 2021 - 2022

baccalaureate, Science Physique

PROFESSIONAL EXPERIENCE

Atlas Sahara | 2023

Full-Stack Web Developer Intern

- Contributed to the development of web applications as part of a professional development team
- Used C# for the first time in a professional context, quickly adapting to the .NET ecosystem
- Developed a web-based system using ASP.NET (C#) to manage employee requests for leave, absences, and business missions.

PROJECTS

Minishell (C Programming)

- Co-authored a simplified Unix shell in C, implementing command execution, pipes (|), and redirections (<, >, >>).
- Built a robust lexer and parser to handle environment variables, exit statuses, and signals (Ctrl-C, Ctrl-D).
- Managed complex memory allocation to ensure zero memory leaks using Valgrind/Leaks.

Cub3D (Ray-Casting Graphics)

- Developed a 3D graphical engine inspired by Wolfenstein 3D using C and the MinilibX library.
- Implemented ray-casting algorithms to render a dynamic 3D environment from a 2D map in real-time.

TECHNICAL SKILLS

Languages

C, C++, JavaScript, SQL

Frameworks/Libraries

React, Node.js, Express

Tools & DevOps

Git, Linux, Docker (basic), Bash

Cybersecurity

CTF participation, technical security problem-solving

TECHNICAL ACTIVITIES

Hackathons & CTFs

- Participated in hackathons involving rapid problem-solving and team-based development
 - Developed a self-taught mindset by working independently and collaborating with peers.
 - Active participant in CTF competitions, focusing on sharpening problem-solving and technical security skills.
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LEADERSHIP & ENGAGEMENT

Ambassador – Vocational Guidance Center (COP) | CMC Laayoun

- Worked as part of the ambassador team to represent the school at official events.
 - Helped students and visitors by acting as a lead communicator between them and the organizers.
 - Developed strong teamwork, responsibility, and coordination skills in a professional environment.
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SKILLS & LANGUAGES

- **Languages:** Arabic (Native), English (Conversational).
 - **Technical Interests:** Backend systems, software architecture.
 - **Soft Skills:** Fast learner, adaptable to new technologies, and strong team collaboration.
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GitHub: github.com/Lawkmu | **LinkedIn:** linkedin.com/in/mouadaitelaouad