

Ayoub Hamou

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SUMMARY

Motivated software developer with a background in physics and chemistry, currently enhancing my skills through hands-on learning at 1337 Coding School. Passionate about full-stack web development with experience in C/C++, Python, JavaScript, and web technologies. Eager to apply my problem-solving abilities and work in collaborative environments to deliver high-quality, scalable software solutions.

EDUCATION

UM6P - 1337 Coding School <i>Software Engineering Program</i>	Oct 2022 – Present
Polydisciplinary Faculty of Ouarzazate <i>Bachelor's degree in Physics and Chemistry</i>	Sep 2018 – Jun 2021

PROJECTS

Interactive Multiplayer Web Game <i>Three.js, Django channels, WebSockets</i>	Oct 2024 – Jan 2025
<ul style="list-style-type: none">Built a real-time multiplayer game using Three.js and Django Channels, with WebSockets enabling low-latency communication.Managed backend logic for game states, player synchronization, and event broadcasting.Collaborated with my 2 teammates to integrate the game into a full-stack web application with authentication and user management.	
Low-Code Platform Deployment Architecture <i>Docker, Nginx, Wordpress, MariaDB</i>	Jul 2024 – Sep 2024
<ul style="list-style-type: none">Deployed a WordPress-based platform using Docker Compose with MariaDB, Nginx, and SSL-secured reverse proxy.Automated orchestration scripts for consistent and scalable deployment.	
IRC Server <i>C++, Networking, Sockets, Multi-threading, RFC 1459</i>	May 2024 – Jun 2024
<ul style="list-style-type: none">Collaboratively built an IRC (Internet Relay Chat) server in C++ following the RFC 1459 standard.Implemented client-server communication using socket programming and managed multiple connections via multi-threading.Developed key features like user authentication, channel management, and message broadcasting.	
User Command Line Interface <i>C, Unix Shell, GDB, Makefile</i>	Jun 2023 – Aug 2023
<ul style="list-style-type: none">Created a custom Unix shell with support for command parsing, piping, and redirection.Implemented built-in commands ('cd', 'echo', 'pwd', etc.) and managed process control with system calls	

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL (Postgres), HTML/CSS, JavaScript/TypeScript

Developer Tools: Git, Docker, Unix/Linux, GDB, Makefile, Shell Scripting, VS Code, IntelliJ

Frameworks & Libraries: Django, ReactJs, ThreeJs

LANGUAGES

English: Proficient **French:** Intermediate **Arabic:** Native