

YOUNES MOUKHLIJ

Software Engineer | Full-Stack Developer | 1337 School (42 Network)

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Physics graduate specialized in Material Physics with hands-on training in Software Engineering at 1337 School. Skilled in building scalable applications using **C/C++**, **Python**, **React.js**, **Next.js** applications. Experienced in system programming, algorithms, and full-stack web development. Strong problem-solver with proven ability to lead projects, work in collaborative teams, and adapt to new challenges quickly.

TECHNICAL SKILLS

Languages & Frameworks: C, C++, Python, JavaScript, React.js, Next.js, Node.js, SQL, MongoDB, MySQL, REST APIs, CI/CD, Agile, Testing

Tools & Technologies: Docker, Git, WebSocket, OOP, Algorithms, System Programming

Soft Skills: Problem Solving, Critical Thinking, Teamwork, Adaptability

PROJECTS

System Programming (C/C++/Docker)

- Developed 10+ projects including a **bash-like shell**, **2D/3D games**, and system-level applications.
- Applied C fundamentals (**memory management**, **pointers**), OOP, algorithms, and DevOps principles.

Web Development

- **AI Chat Hub with Voice Control:** Built a React-based AI chat interface with real-time voice transcription, multi-model AI integration, and interactive UI components.
- **PingPong Multiplayer Game:** Created a WebSocket-powered game in Next.js/Fastify.js with real-time multiplayer sync, predictive physics, and cross-device compatibility.

EDUCATION

- **1337 Coding School** (42 Network, UM6P) | **Computer Science** (2023 – Present)
- **Master's Degree** (USMS) | **Matter & Radiation** (2022 – 2025)
- **Bachelor's Degree** (USMS) | **Physical Sciences** (2019 – 2022)

LANGUAGES

French (Intermediate) | Arabic (Native) | English (Fluent)

CERTIFICATIONS

- Agile Project Management - HackerRank
- C Programming Certificate – HackerRank
- CSS Certificate – HackerRank
- AI Essentials – ALX AICE