

Mohamed CHATR

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EDUCATION

ALX AFRICA (Powered By Holberton School)

Casablanca, Morocco

A twelve month software engineering program (Backend Specialization)

Mar 2023 – Sep 2024

- **Awards:** Tech for impact Hackathon winner (Best idea in terms of impact).
- **Related Coursework:** Data Structures & Algorithms, software design, DevOps fundamentals, Object-Oriented Programming, MERN Stack, bash scripting, Git.

University Hassan II of Casablanca (Faculty of sciences Aïn chock)

Casablanca, Morocco

- Professional bachelor's degree: Electrical engineering and industrial computing
- **Related Coursework:**
 - Embedded systems, C, assembly language, microchip PIC, industrial automation, sensor instrumentation, control systems, electrical engineering, entrepreneurship and business culture.
 - Design project (Graduation project): Electrical design and system control of an air handling unit (AHU).

Al Khawarizmy school

Casablanca, Morocco

- **Associate degree:** Electromechanical and automated systems
- **Related Coursework:**
 - Fundamentals of industrial automation, low level programming, Control systems, applied physics, Expression and communication techniques.
 - Design project (Graduation project): Small-scale load elevator: A case study from an electromechanical aspect.

TECHNICAL SKILLS

Programming: HTML5/CSS, JavaScript, MERN stack, Bash Scripting, python, and core java.

Tools: Vim, Visual Studio Code, Git, Github.

EXPERIENCE

Software engineer intern

Casablanca, Morocco

CIH BANK

Sep 2024 – Dec 2024

- Learning the software development life cycle (SDLC) and best practices for delivering high quality software.
- Exploring cutting-edge DevOps technologies to enhance project efficiency.
- Working on an Optical character recognition (OCR) project using tesseract-ocr engine API
- Gathering project requirements and turn them into specifications.
- Leveraging Git and GitHub for effective version control and collaborative development.

Headstarter fellow

Remote (USA)

Headstarter AI

July 2024 – Sep 2024

- Built 5 AI projects in 5 weeks using React.js, Next.js, Firebase and Clerk.
- Worked in a Team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base.
- Collaborated with 3 Fellows to build a product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM.
- Participate in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups.

LANGUAGES AND INTERESTS

Languages

- English: Full Professional Proficiency (TOEFL IBT: 83/120)
- French: Full Professional Proficiency
- German: Basic level (A1)
- Arabic: Native language

Interests

- Volunteering in ECO projects, meaningful tech initiatives.
- Contributing to open source project.
- Participating in hackathons and coding competitions.