Hatim HADDOU

Software Engineering Intern – Computer Science

Second-year computer engineering student with a strong interest in software development, cybersecurity, AI and emerging technologies. I am seeking a full-time internship from April to July to strengthen my skills in programming, data engineering, cybersecurity, and artificial intelligence. Curious, motivated, and adaptable, I enjoy contributing to innovative projects while developing solid expertise in software engineering and secure systems.

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⌂ Nice (06200)
▦ Driving licence (B)
⚲ Alpes-Maritimes

Social network

in
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hatimhaddou

References

Lamyae MENHAJ
Teacher in charge of academic affairs, CESI Nice
lmenhaj@cesi.fr

Sylvain Bonturi
Teacher in charge of academic affairs, CESI NICE
sbonturi@viacesi.fr

Languages

French
Native

English
fluent

Arabic
Native

Spanish
notions

SOFT SKILLS

Teamwork
Organization & Rigor
Effective Communication
Adaptability
Leadership
Problem Solving

Interests

Associatives
Clubs: Tech, Finance, Chess
TryHackMe
Root-Me
Sports (Gym, running, volleyball, racket sports)

Skills

Languages: Python, C, C++, SQL, HTML/CSS, JavaScript, PHP
Backend / APIs: REST, Flask
AI / ML: scikit-learn, Random Forest, RAG, embeddings
Front-end: UI/UX basics, Matplotlib
Databases: MySQL, Merise/JMerise, advanced SQL
Tools: Git/GitHub, VS Code, Docker, Arduino IDE, Jupyter, XAMPP, Fusion 360
Systems & Networks: Windows, Linux, VirtualBox, IPv4/IPv6, VLAN, routing, DNS/DHCP

IT Projects

•**Innovation Award - AI-powered multi-agent platform for automated technical support**
→ *Azure AI Foundry, Multi-Agent Systems, LLM Orchestration, RAG, Embeddings, Vector Databases, REST API Integration, MySQL, Cloud Architecture, Prompt Engineering, Basic MLOps.*
•**Real-time Cyberattack Detection using AI – Server Log Analysis**
→ *Python, ML(scikit-learn, Random Forest), Flask API, Pandas, NumPy, Log Analysis, Attack Detection, Git, pytest, JSON, Front-end, Matplotlib, Linux.*
•**Secure Password Generator & Manager in Python**
→ *Python, secrets, regex, file management, strength analysis.*
• **Object-Oriented C++ Implementation of Conway's Game of Life**
→ *C++, OOP, SOLID, STL, SFML, UML diagrams, unit testing, Git.*
• **Connected strongbox with Multi-factor Authentication**
→ *Arduino, C/C++, Tinkercad, digital electronics, embedded security, prototyping.*
• **MySQL Database for Multi-sensor Metric Analysis**
→ *MySQL, advanced SQL queries, Merise/JMerise (MCD/MLD/MPD), joins, integrity constraints, performance tuning.*
• **Data Transmission via Sound Signals & Digital Filtering**
→ *Python, NumPy, SciPy, Matplotlib, SoundDevice, signal processing, band-pass filtering, Jupyter Notebook simulation.*
• **Connected Weather Station on Arduino**
→ *Arduino, C/C++, sensors, I2C/SPI communication, memory management, SD logging, code optimization.*

Education

Engineering School – Integrated Preparatory Cycle (Computer Science Minor)
Since September 2024 CESI Engineering School, Nice

French Baccalaureate – Mathematics & Physics-Chemistry
2024 Ecole Al Jabr Casablanca, Morocco
Option: Advanced Mathematics

Certifications

Azuréen Digital Schools Innovation Award – Hackathon 2025
November 2025 Code4Sud Nice
Topic: *"AI for Small and Medium Businesses"*

CCNA certification / C Certified Entry-Level Programmer/ Linux Essentials certificate
2025 Cisco Nice

Programming for Everybody (Python)
September 2025 University of Michigan Michigan, USA

Work experience

After-Sales & Hardware Intern
June 2020 CETELEC MAROC Casablanca, Morocco
Moroccan leader in electronic device repair and official partner of Samsung, Huawei, and other major brands. Observed and supported full after-sales workflow Discovered hardware diagnostics and repair processes Developed interest in embedded systems and electronics