Youssef AGHZERE

STUDENT ENGINEER IN COMPUTER SCIENCE

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🚩 Moroccan ◉ Single

○ https://github.com/YoussefAghzere

🪪 PROFILE

Creative, motivated and dynamic student in my second year of engineering school, I am looking for a 4 months internship **(from mid-April)** in cybersecurity & e-payment.

🌐 LANGUAGES

English
Advanced Intermediate B2
● ● ● ● ○

French
Fluent
● ● ● ● ○

Arabe
Mother tongue
● ● ● ● ●

💼 EXPÉRIENCES PROFESSIONNELLES

digital companion, *Book shop Al Houriya*
Fes, Morocco

Cashier, *Book shop Al Houriya*
Fes, Morocco

Tutoring, *Volunteer*
Rabat, Morocco

Cashier, *Monoprix*
Caen, France

🎓 EDUCATION

Master in Management, *EM Normandie*
2022 – 2024 | Caen, France
Graduation: 2024

Engineering in cyber security and e-payment,
École Nationale Supérieure d'Ingénieurs (ENSICAEN)
2021 – 2024 | Caen, France
Graduation: 2024

Preparatory classes for the grandes écoles,
Centre CPGE Salmane EL FARISSI
2019 – 2021 | Salé, Morocco
Maths-Physique Branch(MP)

Bachelor's degree: Mathematical Sciences,
High school Lalla Nezha
2018 – 2019 | Rabat, Morocco
Grade : **Very Good**

🧠 ACQUIRED SKILLS

Software developer 2022 - 2023
- *(In team) Establishment of security measures (Hash functions, AES …) for a home automation network (Micro-Python / Raspberry pi)*
- *(In team) Development of a regatta game (Java - Application of the design patterns and the SOLID principle)*
- *(In team) Development project of a spy game through interprocess communication and multi-threads.*

Software developer 2021 - 2022
- *(In pairs) Design of a Formula 1 racing driver (C language)*
- *(In pairs) Manipulation of images in pgm and ppm format (C language)*

📂 E-PAYMENT SKILLS

Smart card : ISO 7816 and EMV
- ISO/IEC 7816 norm
- APDU, TPDU, characters, signals
- Europay Mastercard Visa (EMV)
- Smart card
- Card payment

Applied cryptography
Hash functions and their applications in password security, rainbow tables, proof of work. Encryption with new operating modes (XTS, GCM), oracle attacks. Public key encryption and signatures with many attacks on RSA and the use of certificates. Application to TLS.

INTERESTS

Reading | Geopolitics | Football | Chess

E-payment principles
- Knowledge of French and European electronic payment architectures.
- The role of industrial and institutional players in electronic payment.

CERTIFICATES

Introduction to Cyber Security, Pre security
(2 Certificates :: Try Hack Me) juin 2022

Introduction to first aid training
(Croix-Rouge) April 2022

MATLAB (Fundamentals, Onramp)
(2 Certificates) March 2022

JavaScript Essentials (JSE)
August 2022

DEVELOPMENT TOOLS

Python / Linux
Langage C / C++
Java / Scala
HTML5 / CSS3 / Javascript / MySQL