

-SOLUTION DESIGNER-

RAYANE YAZID

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ABOUT

I believe that the most powerful technology is the kind you don't notice, the kind that works so well that it disappears behind the use you make of it. That's what drives me, ever since I got my hands on circuits and my head into systems: designing things that really serve a purpose. As a part-time technician and student, I am currently completing my Bachelor's degree in Engineering Sciences at UPEC. Honestly, I am someone who learns quickly, who sometimes doubts but who moves forward no matter what.

EXPERIENCE

Robotic Prototyping (Articulated Arm) | UPEC | 2024-2025

- Hardware: ESP32 architecture, instrumented gloves, servomotors, wiring/soldering.
- Software: C++ development, wireless communication (UDP/WiFi).

Bio-Robotics: Bionic Butterfly | In progress

- Mechatronics: Design of biomimetic mechanisms and wing flapping.
- Control: Optimization of control laws and reduction of consumption.

Connected Objects Designer | Freelancer | Since 2024

- Product: Commercially available office assistant (OLED, Webserver API, 3D printing).

Software Developer Apprentice | Phone ADDICT | 2024

- Admin Dashboard: Python interface for management, monitoring, and administration tools.
- Backend: Business process automation and database scripting.

Full-Stack Developer | Freelance | 1.5 years

- Software: 6 digital solutions (Web/Mobile) deployed and maintained.

KEY SKILLS

• **EMBEDDED & HARDWARE ENGINEERING**

Languages : Python, C, C++, VHDL (FPGA), Java, Assembleur, Scilab, SQL, Web (HTML, CSS, JS, TS)

Conception & Simulation : Vivado, Arduino, VS Code, MPLAB X, Proteus, LTspice, Simulink, Logisim, KiCad

CAD & Modeling : SolidWorks, Fusion 360, Blender 3D

Protocols & Environments : I2C, SPI, UART, CAN, Modbus, MQTT | PlatformIO, STM32CubeIDE, MATLAB, Jupyter Notebook, LabVIEW

• **SYSTEMS & INFRASTRUCTURE**

Data Analysis : SQL, Power BI (Visualisation & Reporting), Excel avancé

Environments & Tools : Git, Docker, Pack Office 365

Project Management : Méthodes agiles (Scrum, Kanban), Planification & Suivi de projet, Outils collaboratifs, Rédaction technique.

LANGUAGES SPOKEN

English: Fluent B2

Arabic : Fluent B2

EDUCATIONAL BACKGROUND

French Baccalaureate

Specialisms: Mathematics & Physics
Lycée Léon BLUM | 2022 - 2023

Bachelor of Science & Engineering

Options - Electronics & Computer Science
UPEC | 2023 - 2026

Master's in Electronics, Electrical Engineering & Automation

Université Paris - Saclay 2026 - 2028

PASSIONS & OTHER THINGS

- Art: Animation · 3D modeling
- Driving license · Vehicle
- Diploma: Civil Security Cadet
- Hardware: PC assembly
- Sports: Weight training · Soccer
- Technology watch