Mohammed BENOUAR

Embedded Systems Engineer

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✓ Successful completion of national service 🚗 Driving license class B

Summary

Embedded systems electronics engineer with solid expertise in Python programming. Experienced in the design, development and deployment of embedded systems for various industrial applications. Advanced skills in electronic circuit design, low level programming like (C,C++,java) and complex problem solving. Strong ability to work in a team and manage projects independently.

Experience

Embedded systems engineer intern (CITAL SPA)

- Proposal of a real-time control solution for traffic lights and the tram for the high-density C301 intersection.
- Management of the maintenance of the maintenance center and tram line infrastructures, including stations, intersections, electrical substations and SIG F zones.

Electrical Maintenance Internship (Société des Ciments de Zahana)

- Servicing and maintenance of AC electrical machines.
- Work on communication protocols.
- Maintenance and wiring of electrical cabinets.

HASNAOUI GYPSUM PANEL   March 2025

Maintenance Engineer   sidi bel abbes, algeria
🔗 https://www.hgp-dz.com/

- Automation Systems: Expertise in PLC programming, HMI (Human-Machine Interface), and SCADA systems.
- Troubleshooting: Skilled in diagnosing and resolving issues in automated systems to minimize production interruptions.
- Upgrades and Optimization: Implemented automation upgrades that improved production.
- Industry Standards: Familiar with ISO, OSHA, and other regulatory requirements for automated systems.

Education

Djillali Liabes University of Sidi Bel Abbes, Algeria   2021-09-06 - 2023-07-10

embedded systems   Master of Science - MS

startup theme Development of a new infrastructure for intelligent road traffic management

Djillali Liabes University of Sidi Bel Abbes, Algeria   2018-09-01 - 2021-07-15

Electrical and electronic engineering   Bachelor of Science - BS

Projects

Development of a new infrastructure for intelligent road traffic management   2023-01-01 -
A contracting house located at Djilali Al-Yabis University, Sidi Bel Abbes, Algeria.

Skills

Programming language: **OS(Operating System) :**
python, java, css, c++, assembleur, react, javaScript   Windows, Lunix

Simulation Tools: **Electronic CAD Design:**
TIA-Portal, LabView, Matlab   proteus, PCB, Altium

MCU IDE debugging: **Others:**
Visual Studio, Matlab, Arduino, Eclipse, MPLAB X   relpython AI, IoT, Real-Time Systems,Hardware-Software Integration.

Certifications

Fundamentals of Deep Learning   2022-11-12
NVIDIA
🔗 https://courses.nvidia.com/certificates/bb284efe6de4435a9babb88a2a6b9b06/

Introduction to Python   2023-08-06
sololearn
🔗 https://www.sololearn.com/certificates/CC-OSCALKZP

Languages

Arab	french	Good
Native or Bilingual	Good	Good