

5100 Mahdia
1 à 3 ans d'expérience
Réf : 2608261023



Firmware engineer

Ma recherche

Je recherche tout type de contrat, sur toute la région Grand-Est, dans le Batiment.

Formations

07/2025 : Bac +5 à ENSTA Borj Cedria (National School of Advanced Sciences and Technologies of Borj Cedria)

Engineering Degree in Advanced Technologies Specialised in embedded systems, advanced electronics, digital design, nanotechnology, software engineering, signal processing.

07/2022 : à IPEIM (Preparatory Engineering Institute of Monastir)

Preparatory Cycle in Mathematics and Physics

07/2020 : Bac à Ibn Sina High School

Baccalaureate in Mathematics

Expériences professionnelles

11/2025 - à ce jour :

Embedded Software / Development Tools Engineer chez Stmicroelectronics

Develop and maintain firmware facing features of STM32CubeProgrammer in C++/Qt, debug regressions in flash programming, SPI and NVM flows, reproduce field issues, extend device support for new SoCs, migrate internal tools to VS Code/CMake, build internal Python validation tool, improve debugging configurations.

02/2025 - 08/2025 :

Embedded Software Engineer Intern - End of Studies Project chez Stmicroelectronics

Ported STM32CubeProgrammer to ARM aarch64 Linux platforms, developed GPIO-driven bootloader drivers (SPI, I2C, UART, USB), solved CMake cross-compilation issues, validated across multiple STM32 families, documented architecture for Debian packaging.

07/2024 - 09/2024 :

Embedded Systems Intern chez Enova Robotics sur Sousse

Designed and implemented ESP32-based wireless transmitter/receiver for a drone control subsystem, tuned PID parameters, led electronic design and hardware integration, performed component-level testing.

Langues

Arabic (Oral : maternelle / Ecrit : expérimenté), French (Oral : courant / Ecrit : intermédiaire), English (Oral : courant / Ecrit : intermédiaire)

Centres d'intérêts

ETC Junior Enterprise – Project and Prospecting Pole Member, Electronix Robotics Club – Logistics Team, ACM Competitive Programming Club – ENSTA Challenge participant, Embedded systems and firmware development