

Marwa KRIMI

Embedded Electronic Systems Engineer

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EDUCATIONS

2014-2017	National Diploma of Engineering in Communication Electronics Specialty: Embedded systems Mention: very good
2011-2014	Preparatory cycle for engineering studies Chemical-Physics
2011	Bachelor's degree in experimental sciences Mention: good

PROFESSIONAL SKILLS

Study and design of electronic systems.

Embedded systems development.

Card testing and validation.

Robotics

SOFTWARE

Graphical description and system design tool: LabVIEW 2015.

Digital and mixed circuit description language: VHDL, VHDL-AMS, System C.

Servers: Apache, MySQL (Database).

Office software: Word, Powerpoint, Excel.

Operating systems: Windows (XP, 7, 8, 10), Linux.

Embedded Development Software: Android Studio, niosII, QuartusII, keil, Modelsim, Simplorer.

Protocols: TCP/IP, CAN, I2C, SPI, RS232.

Development environment: Eclipse, Netbeans (Java, Java FX).

Logiciel de traitement d'image : MATLAB

Manipulated cards: arduino, Raspberry, FPGA, Cortex M3, Spartan3.

Programming languages: C, Embedded C

CERTIFICATION

- ✓ Certification of LabVIEW core1 and core2.
- ✓ Certification ISO 9001 version 2015.
- ✓ Certification of Domotic.
- ✓ Certification of Embedded C

LANGUAGE

Espagnol : School level

English : good

Frensh : good

Arabe : Mother tongue

PERSONAL QUALITY

Self-confidence, Ability to learn, Motivation, Stress management

PROFESSIONAL EXPERIENCES

February-June 2017 ALPHA BUS & MAN TUNIS

Graduation Project : Design and development of a monitoring platform for a fleet of MAN buses.

It consists in developing a JAVA platform that provides real-time monitoring of buses. The application keep tracks to their geographical positions, their video surveillance systems as well as their OBD systems. These informations are available on an I.O.T gateway by means of a GSM transmission platform installed on each Bus. A mobile application was also developed to allow customers to locate the buses and estimates the time of arrival at the station.

Technical skills: JAVA (Java FX), API, Android, PHP, Apache, Json, SceneBuilder, JSON, Raspberry PI, MySQL



July-August 2016 CRMN-Center of Research in Microelectronics and Nanotechnology of Sousse

Engineer internship: Design and development of an automation platform for the control of the KEYSIGHT RLC meter E4982 measuring instrument



- Overview of the device
- Drive installation
- Perform various measurements (electrical impedance of the microelectronic components) by connecting to a tester under point with the reference "Signatone S1160 series probe station"
- Validation and test with LabVIEW

Technical skills: LabVIEW 2015

July-August 2015 Phosphates Company of Gafsa (CPG)- Tunis

Technician internship :

- Measure electrical quantities by the corresponding devices and learn by practice the usefulness of some electronic components.
- Learn and participate in daily tasks with the staff of the host organization.
- Diagnose and troubleshoot electrical appliances.



PROJETS

DOMOTIC :

- Development of a smart home control application with the following features:
- Turn on / off the light from home remotely using the smart phone
- Set the room temperature through the air conditioner
- Control home automation equipment such as music playback, opening and closing the garage door
- Control the security system of the house (alarm)
- Inform about the weather and the horoscope.
- Control the opening and closing of the outlets remotely.

Technical skills: Android, PHP, Python, LabVIEW, Apache, MySQL

February-May 2016 ENET'COM SFAX

Second year Project: Design and development of a narrative system in Arabic for the visually impaired.

Technical skills: LabVIEW2015, Python, MyRIO

SCORPION :

ROBOTIC CLUB ENET'COM

A robot tracking line and obstacle evader (This robot is made to participate in national competitions that take place between engineering schools.

Technical skills: Arduino, ISIS, realization of cards, PCB