



Fahd Ouassarni

Embedded software development,
Embedded Linux.

Workflow

MPLABX for PIC projects. Vivado for FPGA projects. Eagle and LTSpice for PCB projects. VIM and GCC for Linux projects.
Basically a toolchain and a good text editor.

Job Experience

Trainee Engineer / Hyptra Tailleville, France

April 2019 — September 2019

- Embedded software developpement for 8051.
- PCB design using Altium Designer.
- FPGA synthesis on PicoZed.

Technical Team Leader / SERI (ENSICAEN) Caen, France

September 2018

- A two weeks start-up role play introduced by ENSICAEN.
- Mission: Wireless Communication on Embedded Linux.
- Product: Space Inspection Rover [Video]

Special Research Student / Kumamoto University Kumamoto, Japan

May 2018 — August 2018

- Hosted by: Human Interface and Cyber Communication Laboratory.
- Research: Multichannel speech segregation using FDBM on a SBC. [cfdbm]

Education

Electronic Engineering Master Degree / ENSICAEN Caen, France

September 2016 — September 2019

- Speciality: Electronics and applied Physics.
- Major: Signal, regulation for embedded and telecom.

Higher School Preparatory Classes / Jean Moulin High School Forbach, France

September 2014 — May 2016

- They consist of two very intensive years with the main goal of training undergraduate students for enrollment in one of the grandes écoles.
- Speciality: Mathematics, Physics and Engineering Science.
- Results: Admission at ENSICAEN via Concours Commun Polytechnique.

Baccalaureate / Salman Al Farissi High School Salé, Morocco

September 2013 — June 2014

- Speciality: Mathematics and Engineering Science.

Projects

Xen on ARM

XEN, LINUX, FREERTOS, ARM

March 2019

- Introduction to Xen and other different hypervisors in a quest to enhance both my Linux and ARM architecture skills.

SoC on FPGA / ENSICAEN

C, VHDL, ZYNQ, FPGA

December 2018 — February 2019

- Introduction to Zynq Processing System alongside VHDL synthesized peripherals.

Evaluation of TCI6638K2K / THALES AIR SYSTEMS SAS

LINUX, C, ARM, DSP

October 2018 — February 2019

- Introduction to Embedded Linux and Realtime DSP applications.

cfdbm / Kumamoto University

C, ALSA, ARM, SBC

June 2018 — August 2018

- Introduction to ALSA for a realtime speech separation application.

Mobile Robot Race / ENSICAEN

LTSPICE, EAGLE, PCB

October 2017 — April 2018

- A race of motorized machines guided on a line of electromagnetic field.

Date of birth 17/09/1996

ouss.fahd.1996@gmail.com

6 Boulevard Maréchal Juin
14000 CAEN

+33 6 43 15 50 72

oussfahd.xyz

Life Motto

「学びは生涯の宝」

Assets

Curious

Motivated

Determined

Teamworker

Autonomous

Languages

Arabic

Mother tongue

French

Fluent - C1

English

Fluent - TOEIC 855

Japanese

Beginner - N4

Technical Skills

Architectures

x86, ARM, PIC, 8051.

Communication

UART, SPI, I2C, USB, WIFI, BLE, NFC.

Programming

Assembly, C, C++, Java, Javascript.

Frameworks

ALSA, SDL, OpenMP, Bootstrap.

Simulation

MATLAB, Simulink.

Scripting

Shell, Python, Perl, Lua.

Markup

HTML, CSS, \LaTeX , Markdown.

Tools

Git, Makefile, FreeRTOS, Wireshark.

HDL

VHDL, SPICE.

Interests

Technology

Culture

Travel

Games

Links

ouassarnifahd

fahd-ouassarni