



Fahd Ouassarni

Embedded software development.

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

Intern / Hyptra TAILLEVILLE, France
April 2019 – September 2019

- Mission: Embedded software developpement.

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 subject: Multichannel speech segregation using FDBM on a Single Board Computer. [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 / Lycée Jean Moulin 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 / Lycée Salman Al Farissi Salé, Morocco
September 2013 – June 2014

- Speciality: Mathematics and Engineering Science

Projects

Xen on ARM
March 2019

ARM, LINUX, XEN, HYPERVISORS

- 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 driving an LCD used in a bare metal application.

Evaluation of TC16638K2K / 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 realtime speech separation application.

Course Robot Mobile / ENSICAEN

LTSPICE, EAGLE, PCB

October 2017 – April 2018

- Phase Locked Loop application in a robotics project.

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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.

Scripting

Shell, Perl, Lua, Python, Matlab.

Markup

HTML, CSS, \LaTeX , Markdown.

Tools

Git, GCC, Makefile, SSH.

HDL

VHDL, SPICE.

Interests

Technology

Culture

Travel

Games

Links

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