Fahd Ouassarni
Embedded Software Developer.

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Projects

OpenWRT On WiSoC   Telecom, OpenWRT, Linux, MIPS
June 2019 — May 2020

- OpenWRT/LEDE **building system** hands-on
- **iptables** hands-on
- **OpenVPN** uci configuration

Xen on ARM   Xen, Linux, FreeRTOS, ARM
March 2019 — Ongoing

- **Xen** hypervisor hands-on
- **Buildroot** minimal build as Dom0
- **FreeRTOS** application as DomU

Evaluation of TCI6638K2K / THALES AIR SYSTEMS SAS   SystemTap, Linux, ARM
October 2018 — February 2019

- Listing of linux **profiling** and **debugging** tools
- Profiling linux boot time with **bootchart** and **bootgraph.pl**
- Demonstration of **SystemTap** and other tools

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**.

Special Research Student / Kumamoto University Kumamoto, Japan
May 2018 — August 2018

- Laboratory: Human Interface and Cyber Communication Laboratory.
- Research: Multichannel **speech segregation** using FDBM. [cfdbm]

Education

Electronic Engineering Master Degree / ENSICAEN Caen, France
September 2016 — March 2020

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

Interests

Technology

Culture

Travel

Video Games

Life Motto

「学びは生涯の宝」
Learning is a treasure that follow its owner everywhere

Assets

Curious

Motivated

Determined

Teamworker

Autonomous

Languages

English

Fluent - TOEIC 855

Arabic

Mother tongue

French

Fluent - C1

Technical Skills

Architectures
x86, ARM, STM32.

Communication
UART, SPI, I2C, MQTT, USB.

Programming
Assembly, C, C++.

Frameworks
buildroot, Yocto, OpenWRT.

Scripting
Shell, Python.

Debugging
gdb, strace, valgrind.

Networking
iptables, distcc, nfs, hostapd.

Boards
OrangePi Zero, TL-MR3020, QEMU.

Tools
Git, Make, SSH.

Links

ouassarnifahd

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