



# Fahd Ouassarni

## Embedded Software Developer.

📅 Date of birth 17/09/1996  
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### 🔧 Projects

#### OpenWRT On WiSoC

June 2019 — Ongoing

Telecom, OpenWRT, Linux, MIPS

- OpenWRT/LEDE building system hands-on
- iptables and simple rooting usage
- Adding OpenVPN and its corresponding uci configuration

#### SoC on FPGA / ENSICAEN

December 2018 — February 2019

C, VHDL, Zynq, SPI, LCD

- Baremetal programming on ARM
- VHDL synthesized SPI peripheral

#### Evaluation of TCI6638K2K / THALES AIR SYSTEMS SAS

October 2018 — February 2019

SystemTap, Linux, ARM

- 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 development 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, PIC32, STM32, 8051.

Communication

UART, SPI, I2C, DSI, USB.

Programming

Assembly, C, C++.

Scripting

Shell, Python.

Debugging

Scope & LA, gdb, strace, valgrind.

Embedded firmware

FreeRTOS, CubeMX.

Embedded linux

buildroot, Yocto, OpenWRT.

Boards

OrangePi Zero, TL-MR3020, QEMU.

Tools

Git, Make, SSH

### 🌐 Links

🔗 ouassarnifahd

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