



Fahd Ouassarni

Embedded Software Developer.

📅 Date of birth 17/09/1996
✉ ouassarni@ecole.ensicaen.fr
📍 6 Boulevard Maréchal Juin
14000 CAEN
☎ +33 6 43 15 50 72
🔗 resume.oussfahd.xyz

🔧 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 on a SBC.
[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, m4.

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

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