Ever ATILANO

Embedded Software Engineer

🏠 Gennevilliers, Hauts-de-Seine
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💼 WORK EXPERIENCE

SOLENT, Garenne-Colombes — *Embedded Systems Engineer*

October 2021 - Now

- Development and integration of low and application layers for embedded Linux systems.
- Integration and adaptation with the specificities of the hardware.

Arm, Paris — *Cybersecurity Internship*

March - August 2021

Internship topic: Secure bootloader and fault injection attacks.

- Study about the efficiency of the protections against fault injection attacks in a secure bootloader (MCUboot).
- Creation of automatic attack campaigns.
- Improvement of the protections.

R&D Honeywell Home, Chihuahua, Mexico —*Firmware Engineer*

May 2018 - August 2019

- Firmware development for embedded systems.
- Review of schematics/layouts.
- Testing and evaluation of prototypes from initial phase to mass production.
- Software tool developments.

Soko Labs, Chihuahua, Mexico — *Software Engineer*

October 2016 - April 2018

- Web pages and mobile applications development.
- PCB and firmware development for embedded system.

🎓 EDUCATION

Sorbonne Université, Paris — *Master in Computer Science*

2019-2021

Specialization in Electronic and Computer Systems.

Technological University of Chihuahua, Chihuahua, Mexico — *Bachelor*

2013-2018

Mechatronics Engineering

Sophia Antipolis University, Nice — *Vocational bachelor's*

2015-2016

Automation and Industrial Computing.

👤 SKILLS

Programming Languages

C/C++, Assembler (Arm, MIPS), Python, Bash/Shell.

Electronics

PCB Design (Altium, EasyEDA), Embedded boards (Raspberry Pi, Arduino, Esp32, Jetson Nano) FPGA, Microcontrollers, Communication bus, Wireless networks.

Embedded Security

Software and Hardware attacks, Side channel analysis, Fault injections, Power analysis, Time analysis, Countermeasures and Certification.

Embedded Linux

Build root, U-boot, Kernel Linux.

Tools

VSCode, Atlassian (JIRA, Confluence), Git, IAR, Make, Cross compilation.

Personal

Teamwork, adaptability, curiosity, perseverance, creativity.

🔤 LANGUAGES

Spanish, French, English.

🏆 AWARDS

Obtained two international scholarships (excellence) for the 2015-2016 and 2019-2021 cycles.