



Jessye DOS SANTOS

Embedded Software Engineer

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github.com/jdossantos38/resume.git

EDUCATION

Engineering Degree

Polytech Grenoble

Hardware and Software for Embedded Systems
Options: automation, signal and image processing

SEPT 2010

AUG 2013

Ph.D Degree

Grenoble Alpes University

Mathematics and Computer Sciences
Subject: Wireless Sensor Networks and Privacy

NOV 2013

AUG 2017

EXPERIENCE

Final Year Project

CEA, LITEN, Grenoble

Deployment of a monitoring system to evaluate and characterize battery pack ages of electrical vehicles.

APR 2013

AUG 2013

Security and Privacy for IoT

CEA, LETI, Grenoble

Proposing, development and deployment of a lightweight security and privacy software solution for Wireless Sensor Networks and IoT.

NOV 2013

AUG 2017

Assistant professor / Embedded software solutions

ESTIA, Bidart

Research, development, teaching and management.
Software solutions to improve performances of sensors nodes.
Deployment of dynamic Duty Cycle and task scheduler to enhance energy consumption of sensors.
Artificial Intelligence and decision algorithm for IoT constrained devices.

SEPT 2017

JUL 2022

Key words: CAN, reverse engineering, data collect and analyse, monitoring, shunt

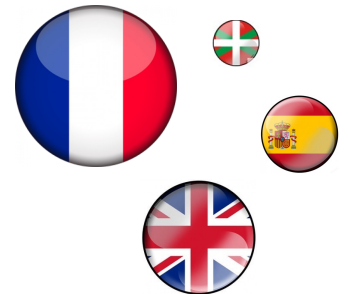
Key words: sniffer, IEEE 802.15.4, 6LoWPAN, security, privacy, embedded C, Python, real testbed

Key words: embedded C, OS Low Power, IoT, WSN, Python

SKILLS

IT	Virtual Box, GIT, Contiki OS, Linux, Raspbian, ZigBee
Hardware	MSP430, PIC, ARM, Raspberry PI, Arduino, SPI, I2C, CAN (reverse engineering), sensors, oscilloscope, AOP, wireshark, jtag, gdb, valgrind
Software	C, Python, Java, shell, GNU, C++, RUST, Ladder, GRAFCET
Network	6LoWPAN, ZigBee, IEEE 802.15.4, LORA, SIGFOX, BLE, OSI model, TSCH, IPv6, RPL, UDP, TCP, CoAP, MQTT
Security	AES, CBC, CTR, TLS, IPSec

LANGUAGES



MISCELLANEOUS



Playing in a team



Personal project: Photobooth, Home automation system



Macarons, cakes, cake design



Propose and organise events to collect fund for school