



ERWAN SPILMONT

Front-end Developer | Electronic & Embedded Software Engineer

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📍 Rua Oliveira Monteiro, 231, Porto, Portugal

👤 Age 28

Skills

Programming Languages

- Javascript (ES6) - *Advanced*
- HTML5 - *Advanced*
- CSS3 - *Advanced*
- C - *Advanced*

Libraries & Frameworks

- React - *Basic*
- Node.js - *Basic*

IDE

- Visual Studio Code

Design

- Figma

Tools & Platforms

- Git
- Github
- Webpack
- Netlify
- Heroku

Languages

- French: Mother Tongue
- English: Fluent (920 TOEIC)
- Portuguese: Professional working proficiency
- Spanish: Conversational

Miscellaneous

- Running/Trail
- Cycling
- Member of the ENSEA sailing association
- Makers & Music Projects: Arduino, Ableton
- Travels: EU, Turkey, India

Work Experiences

Since October 2017
INESC TEC

📍 Porto, Portugal

Firmware-Hardware Researcher Engineer

Developement on several wearable devices

notably for first responders professionals:

- Firmware developement of new environmental prototypes embedding a BLE module, multiple sensors, an SD card and based on FreeRTOS micro-kernel
- Firmware developement of prototypes using a BLE module as an MCU
- Developement of JavaScript web user interfaces for BLE devices, interacting and displaying measured values in real-time

April-September 2017
INESC TEC

📍 Porto, Portugal

Firmware-Hardware Engineer Intern

Master Thesis based on an environmental

wearable device:

- Hardware integration of a Fine Particle sensor
- Firmware development integrating FreeRTOS onto a 16-bits MCU

February-March 2017
Kinematix

📍 Porto, Portugal

Firmware Junior Engineer Intern

Signal processing adaptation of cycling movement based on a runner device

June-July 2015
COEP

Intern College Of Engineering Pune, India:

Space vector modulation algorithm

Other Experiences

- Mathematics and Physic Tutor
- Mathematics and Informatics Tutor for prisoners
- Summer-Camp Animator with disabled people

Education

2017 ENSEA Engineer Master Graduate, Cergy, France

2016-17 FEUP Master 2 student, Engineering Faculty of Porto, Portugal: Telecommunication and Electronic Devices

2013-17 ENSEA, Cergy, France: Generalist Engineering school in Electronic, Informatic and Telecommunication

2010-13 French Scientific Preparatory Class: Mathematics and Physics at Paul Sabatier University in Toulouse, for graduate engineering school exams