

Xavi Ondoño

Senior Hardware Engineer

contact

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languages

Catalan
Spanish
English

hardware skills

Altium Designer,
High Speed Electronics,
DFM, Spice simulation
DDR3/4,
ARM-Processors,
x86/x64-Processors,
Power Electronics, GaN

software skills

Linux/Unix, C/C++,
L^AT_EX, Matlab/Octave,
Python, Rust,
SQL, git

MOOCs

Machine Learning
Stanford University
Coursera

**Data Science
Specialization**

John Hopkins
University
Coursera

experience

- 1/19-Now **Ontesting S.L.** *Barcelona*
Lead Hardware Engineer
Developed processes and standards required to reliably design and manufacture all of our products.
Developed a x64 platform with DDR4, USB3.1, DisplayPort and other high end consumer technologies.
- 1/18-11/18 **Ingenia Motion Control** *Barcelona*
Electronics Engineer
Worked on the new Summit product line, a series of brushless motor drives based on new GaN technology.
Worked on the incremental improvement of some of the existing silicon-based products of the company.
- 06/16-12/17 **Wavecontrol** *Barcelona*
Electronics Engineer
Worked on improving the design workflow and integration by introducing version control, new standards for design and automatic project documentation on Altium Designer.
Developed new prototypes for EM sensing technology up to the GHz range, opening a new product line and developing new assembly techniques to improve reliability of the existing ones.
Developed WaveMon, a low power wearable measuring device for personal safety.
- 11/14-04/16 **Rob Surgical Systems** *Barcelona*
Electronics Engineer & Hardware Lead
Developed a custom-made replacement for the robots motors, designing a safe-oriented precision BLDC (Brushless) controller and the corresponding power electronics (50W to 100W) that required a custom control scheme.
Supervised mechanical, electronics and firmware development of the Bit-track system.
- 02/11-08/12 **Modpow**
Electronics Engineer
Developed and tested new prototypes from conception to PCBA (including PCB and firmware coding). Developed a battery powered datalogger for agricultural use still in the market (with minor revisions).

education

- 2012–Now Dual BSc in **Physics and Mathematics** (online) *UB - UNED*
- 2017–2018 MSc **Project Management** (online) *La Salle URL*
- 2010–2013 Msc in **Electronics Engineering** (online) *La Salle URL*
- 2006–2011 BSc in **Telecommunications Engineering** (online) *La Salle URL*