


Pedro Oliveira

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 <https://pedroo.net/>

 Porto, Portugal

 Software Engineer

Work Experience

Veniam Porto, Portugal
Senior Software Engineer 2019 – Present

- Design and maintain automotive software products.
- Translate automotive requirements into technical efforts.

Synopsys Porto, Portugal
Embedded Software Engineer 2017 – 2019

- Worked on trusted execution environments.
- HDCP protection for HDMI and DisplayPort interfaces.

CEiiA Porto, Portugal
Technical Lead & Software Engineer 2014 – 2017

- Board bring-up and design mobility devices for controlling and tracking.
- Responsible for training, leading, mentoring, and recruiting within the team.

Coreworks Lisbon, Portugal
FPGA / ASIC Design Engineer Feb. 2014 – Aug. 2014

- Design and verification of real-time multi-core systems for audio codecs.
- Responsible for converting the SoC bus and IPs from AMBA AXI to Avalon.

Education

University of Minho Portugal
M.E. Electronics and Computers Engineering 2008 – 2013

- Major in Embedded Systems and Power Electronics.

Skills

Programming:

- C, C++, Python, Shell scripting

Security and safety:

- Cryptography
- MISRA

Embedded Linux and RTOS:

- Buildroot, Yocto/OpenEmbedded
- U-Boot, BusyBox, Crosstool-NG
- MQX, FreeRTOS, Xenomai

Language:

- Portuguese: Mother's tongue
- English: Fluent
- German: Good

Tools:

- Git, SVN, Gerrit
- Jenkins, JIRA