

Sergio Gasquez

Curriculum Vitae

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Experience

- 2021–Present **Software Engineer, RTI, Remote.**
Software developer for RTI Connex DDS Micro.
• C/C++ programming.
• Communication protocols: DDS.
- 2020–2021 **Embedded Software Engineer, ITG, A Coruña.**
R&D Firmware Engineer developing features for a drone in a box solution.
• C/C++ programming: Embedded Linux (ARM) and AVR software development.
• Communication protocols: I2C, SPI, UART, Mavlink.
• Python Scripting.
• Agile methodology: Scrum.
- 2018–2020 **Firmware Engineer, HP Inc, Barcelona.**
R&D Firmware Engineer developing security features for the Ink Delivery System both for 3D and Large Format Printers.
• C++ programming: Embedded Linux Software development.
• Tcl Scripting.
• Unit Testing using GTest.
• Agile methodology: Scrum.
- 2018–2018 **Firmware Engineer, Arual Design, Granada.**
• C/C++ programming: Microcontrollers software development.
• Telecommunications: Developed communications using Sigfox and GPRS/GSM technology.
• IoT platforms: Collection and visualization of data via IoT platforms.

Education

- 2018–2019 **Master's in Electronic Systems for Intelligent Environments, Higher Technical School of Telecommunication Engineering, UMA, Málaga.**
Focused on IoT and microcontrollers .
- 2013–2018 **Bachelor's Degree in Telecommunications Engineering, Higher Technical School of Computer Sciences and Telecommunications Engineering (E.T.S.I.I.T), UGR, Granada.**
Focused on electronics and microcontrollers .
- 2017–2018 **Erasmus +: Bachelor's Degree in Telecommunications Engineering, Fakulteta za elektrotehniko, Univerza v Ljubljani, Ljubljana.**
Focused on artificial intelligence and electronics

Projects

- Firmware Data Acquisition System
- Firmware Monitoring and watering system
- AI Autonomous mobile robot in a escalated town using ROS
- AI Survey on preprocessing techniques for Heterogeneous Face recognition with VGG-Face

Certifications

- Cambridge C1 - Cambridge English Level 2 Certificate in ESOL International (Advanced)
- Feabhas Real-Time Design Patterns for Modern C++
- Bi4Group Member of Bi4Academy-Blockchain (140h)
- Udemy Modern C++ Multithreading