

Sergio Gasquez

Curriculum Vitae

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Experience

2018–2018 **Software and Hardware Engineer**, *Arual Design*, Granada.

- C/C++ programming: Software development for different boards similar to Arduino.
- Telecommunications: Developed the communications for different boards using Sigfox and GPRS/GSM technology.
- IoT platforms: Collection and visualization of data via IoT platforms like Losant.
- PCB Design.
- Hardware and software debugging
- Sensor testing: Tested and compared different sensors in the farming field (moisture, electric conductivity)

2017–2017 **Full Stack Developer**, *Bi4 Group (Bi4 Academy)*, Granada.

I was part of a team that developed an API that can be easily integrated giving an extra layer of security for your application by validating and storing all the data in a private blockchain.

Education

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

- AI Autonomous mobile robot in a escalated town using ROS
- AI Survey on preprocessing techniques for Heterogeneous Face recognition with VGG-Face
- Electronics Solar powering for modular power banks
- Electronics Desing and assemblage of an homodyne receiver syntonizing an A.M station
- Arduino Microcontroller-based irrigation system
- Arduino Data Acquisition System

Skills

- core Python, C, MatLab, VHDL, AngularJS
- tools Git, \LaTeX , OrCAD, Quartus, ROS, LabVIEW, MongoDB, Scrum

Certifications

- Bi4Group Member of Bi4Academy-Blockchain (140h)
- Udacity Programming Foundations with Python
- Code School Try Python
- Cambridge English Cambridge English Level 2 Certificate in ESOL International (Advanced)
- Coursera Electrons in Action: Electronics and Arduino for your own inventions