Julián Caro Linares

Roboticist, IoT, Electronic and Automation Engineer

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Programming

Personal Skills

Experience

2016-Now **Robotics Engineer in Submarine robots**   AID Group

Research, design, development and implementation of submarine robots like UUV, USV drones and others related projects.

2016 **Service Robots Programmer**   Casual Robots-Freelance

Programming of service robots as a freelance. Programming of Pepper, Nao robots and similar products from other manufacturers. Improvements and adjustments in the O.S of the robots.

2014 - 2016 **R&D in Robótics and 3D printers.**   BQ - Research and Robótics Department

Creator of prototypes in Robotics and IoT using fast prototyping platforms like Arduino and others in combination with CAD design and 3D printing. Documentation and tutorials creator in online platforms and publishing houses. Trainer in university courses and moocs.

2012 - 2014 **Active member and Communication Manager** Erasmus Student Network (ESN)

Volunteer in the association ESN. Organizer of social events, trips and more. Work as a Comunication Manager on social media and others.
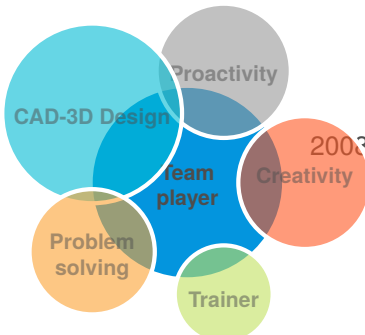
Education

2014 - Now **Master in Robotics an Automation**   Universidad Politécnica de Madrid

Nowadays I'm doing my Master Thesis about Biorobotics and an Hibryd control using *Open Source FPGAs*.

2011 - 2012 **Ingegneria Elettronica e Ingegneria dell'Automatizacione, por el Politecnico di Milano, Italia**   Politecnico di Milano, Italia

I made an Erasmus exchange program in Milan, Italy, where I studied Electronics and Automation at Politecnico di Milano. Beyond the studies, I learnt Italian and improved my English, making new friends around the world and discovering different cultures and traditions.

2008 - 2014 **Grado en Ingeniería en Electrónica Industrial y Automática** Universidad Carlos III de Madrid

I took a Degree in Electronics and Automation at Universidad Carlos III de Madrid where I've been study how to design electronics, make industrial process, programing, how to use industrial and service robots and much more. Inside the university, I also participated in the Basketball team, Robotics university association and ESN association.

Languages

English (B2-First Certificate)
★★★★☆

Italian (B2)
★★★★☆

Spanish (Native)
★★★★★

Operating systems

GNU/Linux ★★★★☆
Windows ★★★★☆
MAC OS ★★★☆☆

Additional preparation

- Samsung tech institute-Universidad Politécnica de Madrid: App development in Android-200 h.
- Leadership and Motivation Course- 16 h.

Other Info and Skills

- *Maker* movement lover. Advanced knowledge in 3D printing, Arduino and other electronic and robotics modules.
- Participant as an Alumni member in the Non Profit Organization Erasmus Student Network (ESN) at local, national and european level.

  Continuous contact with international students, skills in organization and management of activities, trips and other events.
- *Community Manager* and *Social media* skills.
- Basic digital photography skills. Use and understanding of reflex cameras in manual mode and basic photo edition using programs like *Lightroom*, *Gimp* or *Photoshop*.
- Thirteen years playing Basketball at CB Leganés and Universidad Carlos III de Madrid team.
- B1 driver license.
- Flexible worker, available to travel.