DANIEL PAYNO ZARCEÑO

Telecommunications & electronics engineer

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Madrid, Spain

in daniel-payno-zarceño

O dpayno

ABOUT ME

Telecommunications engineer with a deep passion for electronics and programming, specializing in embedded systems and Linuxbased operating systems. I enjoy embracing new challenges and contributing to innovative work environments.

EXPERIENCE

Hardware & firmware engineer **TvcheTools**

August 2020 - April 2025

Madrid, ES

Company specialized in data center energy efficiency, focused on environmental monitoring, and cooling system control.

- Hardware engineering: requirement gathering, PCB design and manufacturing, assembly, prototyping, and testing. Purchasing management, communication with suppliers, and RFQs.
- Firmware engineering: design and implementation of embedded systems, including microcontroller programming, communication protocols, and sensor networks.
- **Software development**: development of Linux-based systems using Yocto, and implementation of C and Python applications.
- Data center experience: installation of sensor networks, cooling optimization and energy consumption management.

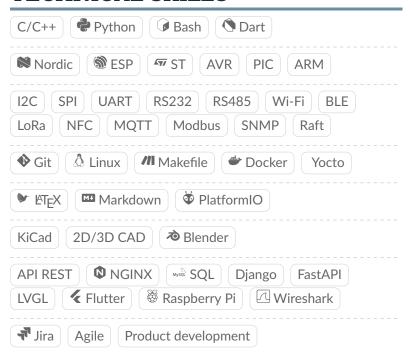
Electronic Research Internship **GreenLSI (Department of Electronic Engineering, ETSIT)**

May 2020 - August 2020

Madrid, ES

 Research and development of Bluetooth Mesh networks based on Nordic nRF52 microcontrollers.

TECHNICAL SKILLS



EDUCATION

Master of Science in Electronic Systems Engineering

Universidad Politécica de Madrid, ETSIT

† 2021 – 2022

Madrid, FS

Award for the best record in the 2021-2022 academic year. Sponsored by Fundetel.

Bachelor of Engineering in Telecommunication Technologies and Services Engineering

Universidad Politécica de Madrid, ETSIT

2015 - 2020

Madrid, ES

LANGUAGES

Spanish



English



SOFTSKILLS

- Problem-solving
- Teamwork
- Adaptability, flexibility
- · Agile methodologies, Scrum

PROJECTS

Design and implementation of a sensor network for air quality monitoring

Final Master's Degree Project

☐ January 2022

Design and implementation of a MIDI controller for aerophone instruments **Final Degree Project**

☐ January 2020

OTHERS

• DIY projects: 3D printing, self-hosted services | Immich | **⊘**InfluxDB

Home Assistant Grafana



- Design of electronic music devices.
- Driving license B and own car.