



Xicu Marí

Francisco Marí Prats

## Contact information

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 [github.com/XicuM](https://github.com/XicuM)

## Languages

**Catalan** Native speaker

**Spanish** Native speaker

**English** B2 First Certificate

## About me

**Birth Date** 23/06/1999

I am enthusiastic and enjoy learning new things and finding practical solutions to everyday challenges. I have experience working in multidisciplinary teams, where I focus on being organized and dependable to help achieve our goals efficiently.

## Interests and hobbies

Programming

Philosophy

Aikido

Graphic design

Water skiing

Guitar

**Electronic Engineer** with 2 years of experience in BCN eMotorsport, the Formula Student team from Barcelona. I specialized in Power Electronics and later took the role of Team Leader.

## Professional experience

Sep 2023 - Sep 2024

Team Leader

BCN eMotorsport, *Universitat Politècnica de Catalunya*

- Led and coordinated departments in a Formula Student team focused on designing, manufacturing and testing an electric, driverless car.
- Managed team organization, documentation software, event planning, budgeting, and sponsorship agreements.

Feb 2022 - Sep 2024

Power Electronics Engineer

BCN eMotorsport, *Universitat Politècnica de Catalunya*

- Modeled and simulated control algorithms for permanent magnet drives.
- Programmed embedded SoC with FPGA for three-phase inverter control.
- Worked on lithium cell behavior to enhance battery performance.

Feb 2022 - Jul 2022

Software Engineer Trainee

Premium PSU, *Hospitalet de Llobregat*

- Performed firmware programming and automation scripting for electric vehicle chargers on the Floox team at Premium PSU.

Jun 2016 - Sep 2016 | Jun 2017 - Sep 2017

Receptionist

Hotel Ses Savines, *Sant Antoni de Portmany, Eivissa*

- Delivered customer service to hotel guests, addressing inquiries and resolving issues.
- Managed reservations, facilitated check-ins and check-outs, and handled other administrative tasks.

## Education

Sep 2022 - Jan 2025 > Overall Grade: 8.87 / 10

Master's Degree in Electronic Engineering

ETSETB, *Universitat Politècnica de Catalunya*

Sep 2018 - Jun 2022 > Overall Grade: 9.15 / 10

B.Sc. in Electronic Engineering and Telecommunications

ETSETB, *Universitat Politècnica de Catalunya*

## Technical Skills

C/C++, Python, Pandas, Matlab, Simulink, VHDL, Verilog, KiCad, Altium, Xilinx Vivado, Altera Quartus II, Cadence Virtuoso, Linux, ROS1, Notion, Wordpress, Adobe InDesign, Microsoft Office, Google Drive