



# Andreu Roca Montserrat

## CONTACT

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## EDUCATION

- Master of Electronics and Processor Design  
Universitat Politècnica de Catalunya  
2024 - 2026
- Bachelor of Electronics Engineering  
Universitat Politècnica de Catalunya  
2020 - 2024

## LANGUAGES

- Spanish - native
- Catalan - native
- English - C2

## SKILLS

- Teamwork
- Self-teaching
- Leadership
- Empathy
- Adaptability

## ABOUT ME

A young digital design engineer and Master's in electronics engineering student with an early vocation for technology and its practical applications, which has marked all my academic studies and my personal interests. I would highlight my ability to quickly understand the design of programs, systems and mechanisms; and my great interest in causes for social well-being, sustainability, and the environment.

## WORK EXPERIENCE

### RTL Design Engineer

*Semidynamics*

*Jun. 2024 – Present*

- Personally designed and integrated a hardware trace system based on the RISC-V N-Trace specification.
- Worked in the design and integration of RISC-V cores for an SoC targeted at AI acceleration.

### Embedded software intern

*Giesecke+Devrient Mobile Security*

*Jun. 2023 – May. 2024*

- One year experience in firmware and embedded software development in low resource environments.
- Development of continuous integration systems.
- Development of high security applications.

### Exhibitor *Saló de l'Ensenyament*

*Universitat Politècnica de Catalunya*

*Mar. 2023*

- Providing advice for future university students on choosing their studies according to their interests.
- Promotion of studies offered at Universitat Poltècnica de Catalunya.

## COMPLEMENTARY EDUCATION

- Bojos per la Ciència program (Physics)** 2019  
*Fundació Catalunya La Pedrera*
- Technical diploma in web and Python development** 2018  
*CEPI-BASE*
- Youth Leisurre Instructor Licence** 2023  
*Escola Lliure el Sol*