



# Álvaro Arnaiz Burgos

GRADUATE IN TELECOMMUNICATION ENGINEERING

## Professional profile

I am a Master's spanish student in Telecommunication Engineering at the Universidad Politécnica de Madrid with an interest in business and investment. My passion is robotics and electronics, and everything related to new technologies fascinates me. I have the capacity to adapt to all kinds of environments, and I learn fast, as I have a good foundation gained through self-taught learning. I am good at working independently and I like to cooperate with people who give 100% of themselves. Finally, I never want to stop learning because I am very curious and interested in many things. I am on exchange for 2<sup>nd</sup> year in EPFL doing robotics, electronics and AI courses.

## Working experience

Internship in Robolabo department of ETSIT

FEBRUARY 2025 – JULY 2025

Internship in Grupo Microondas y Radar (GMR) department of ETSIT

SEPTEMBER 2023 – JULY 2024

## Skills

Programming Languages and AI: Python, Matlab, C, Pytorch, OpenCV, etc.

Experience with STM32, ESP32, Arduino, Raspberry Pi, UR robotic arm, PCB (Altium) and 3D design (Autodesk Inventor).

Specialty in: control and electronics. Build multiple side projects on robotics.

## Education

Exchange year at EPFL: MSc in Robotics, MSc in Electrical and Electronic Engineering

SEPTEMBER 2025 – (JULY 2026)

Master's Degree in Telecommunication Engineering, ETSIT

SEPTEMBER 2024 – (JULY 2026)

Bachelor's Degree in Telecommunication Engineering, ETSIT.  
Electronics specialty

SEPTEMBER 2020 – JULY 2024

Successfully completed each academic year with an average grade of 8.04.

Bachillerato, Instituto de Excelencia San Mateo, Madrid

SEPTEMBER 2018 - JUNE 2020

Awarded excellence scholarship. Average grade of 13.32 in University Entrance Exam.

## Courses and achievements

IEEE paper publication: [Radar Network for Gait Monitoring](#)

2025

Designing for Impact: A UI/UX journey (10d), BEST Bucharest

2023

Basketball trainer Level 1 (220h), Federación española de baloncesto

2021

### Personal data

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DRIVING LICENSE

Yes

DATE OF BIRTH

20/05/2002

### Links

**LinkedIn:** [www.linkedin.com/in/álvaro-arnáiz-burgos](https://www.linkedin.com/in/álvaro-arnáiz-burgos)

**GitHub:** <https://github.com/aarnaizz>

### Competences

Overall understanding of technology world

High interest

Fast and continuous learning

Problem-solving

Integrity and honesty

Tenacity and sense of work

### Languages

Spanish: native

English: C1 Cambridge

French: A2 EOI Spain

### Hobbies

Basketball (used to play in high level team), piano, robotics, faith group...