



# Eduardo Gómez González

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## WORK EXPERIENCE

 **TRC – MADRID, SPAIN**

**RADIOFREQUENCY SYSTEMS ENGINEER – 02/2025 – CURRENT**

- Development of UAS Detection Algorithms
- Design and Optimization of RF systems
- Reverse Engineering Techniques
- Software Defined Radio
- Field Tests

 **UNIVERSIDAD CARLOS III DE MADRID – MADRID, SPAIN**

**RESEARCH ASSISTANT – 06/2024 – CURRENT**

Computational Electromagnetics: Development of Autodifferentiable Solvers for Scientific Machine Learning applications at GREMA (Radiofrequency, Electromagnetics, Microwaves and Antennas Group).

 **PUBLIC UNIVERSITY OF NAVARRE – PAMPLONA, SPAIN**

**INTERN – 11/2021 – 04/2022**

Design of a calibration and observation system for the Jocelyn Bell Burnell Radiotelescope and automatizing part of its movement infrastructure.

## EDUCATION AND TRAINING

09/2023 – CURRENT

**DOUBLE MASTER DEGREE IN TELECOMMUNICATIONS ENGINEERING AND ADVANCED COMMUNICATIONS TECHNOLOGIES**

Universidad Carlos III de Madrid

02/2023 – 06/2023 Italy

**BACHELOR'S DEGREE IN TELECOMMUNICATIONS ENGINEERING (ERASMUS STAY)** Università degli Studi di Genova

09/2019 – 06/2023 Pamplona, Spain

**BACHELOR'S DEGREE IN TELECOMMUNICATIONS ENGINEERING** Public University of Navarre

**Thesis** Experimental calibration of GPR S-parameter data for subsurface prospecting

## HONOURS AND AWARDS

03/2024

**Bachelor's Degree Extraordinary Award – Public University of Navarre**

Award for the best record among the graduates in the 2022-2023 academic year in Telecommunications Engineering by the Public University of Navarre.

27/12/2024

**Academic Excellence Award – La Rioja Government**

Award for the best record in Engineering and Architecture among graduates in the 2022-2023 academic year.

## LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>FRENCH</b>	B1	B1	B1	B1	B1
<b>ITALIAN</b>	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

## INTERNATIONAL EXPERIENCE

02/2023 – 06/2023

### Erasmus in Genoa, Italy

Erasmus experience in the University of Genoa with the completion of two courses and the Final Thesis in collaboration with the Applied Electromagnetics Group.

## SKILLS

### Telecommunications

Antenna Design | RF laboratory equipment | Signal processing | Computational Electromagnetics | HFSS, CST, AWR | Optical Communications | Software-Defined Radio | Wireless technologies

### Programming Languages and Tools

Matlab | Python, Pytorch | Julia | Linux | C | Java, JavaScript | SQL | Git

### Network administration

OSI model protocols | DNS, BGP, VPN

## DRIVING LICENCE

Driving Licence: B | 22/07/2021 – 22/07/2031

## COMMUNICATION AND INTERPERSONAL SKILLS

### Public speaking skills

Science outreach talks concerning radioastronomy and Jocelyn Bell Burnell Radiotelescope.

### Leadership

Subdelegate in Bachelor's Degree in Telecommunications Engineering, 2022-2023