
Estela Mora Barba

Electronic Communications and Telematics Engineer

Telf: ---
Email: estela.mora.barba@gmail.com
Linkedin: [Estela Mora Barba](#)
Website: estelamb.github.io
GitHub: [Estelamb](#)

PROFESSIONAL PROFILE

I am passionate about developing innovative technologies, especially in the areas of IoT, intelligent systems, and AI. I enjoy working on real-world projects that combine hardware, software, and artificial intelligence. Currently, I am pursuing a Master's in IoT with the goal of later continuing into a PhD, where I can continue to grow professionally and contribute to high-impact research.

EDUCATION

Master's Degree in Internet of Things (MIoT)

ETSIST – UPM
September 2025 – Present

Bachelor's Degree in Electronic Communications Engineering

ETSIST – UPM
September 2019 – September 2025
3rd Prize in Electronics - XIX Edition of the COITT Awards "Future of Telecommunications"

Bachelor's Degree in Telematics Engineering

ETSIST – UPM
September 2019 – May 2025
1st Prize in Telematics - XIX Edition of the COITT Awards "Future of Telecommunications"

Professional Music Degree (Cello Specialization)

CIEM Federico Moreno Torroba - Madrid
September 2014 – May 2021

EXPERIENCE

Research Support Technician

ETSIST - UPM
November 2025 – Present

- Development of management architectures for autonomous vehicles (UAV/UGV), coordinating the execution of complex missions with real-time dependency management.
- Applied research in Embedded AI for the generation of prescription maps, integrating image analysis models into low-power devices.

Researcher

GRyS Research Group - UPM
November 2025 – Present

- Participation in European and internal R&D projects aligned with Sustainable Development Goals (SDGs) and agricultural sustainability.
- Technical validation and system testing under ISO/IEC/IEEE 29119 international standards, ensuring quality in research environments.

R&D Intern

GRyS Research Group - UPM
June 2025 – September 2025

- Design and implementation of system prototypes within research projects.
- Rapid comprehension and adaptation to new methodologies and tools.

SKILLS

Others

Spanish - Native
English - B2 (TOEIC)
Driving License B

Technical Skills

C, C++, Java, Python,
Git, GitHub, LaTeX, UML,
gRPC, ROS2, MariaDB, REST,
MQTT, ThingsBoard

Soft Skills

Teamwork
Organization
Perseverance
Diligence / Consistency
