

# Ignacio Mata

Telecommunications engineer specializing in telematics.

Stuttgart, Germany

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## EXPERIENCE

### Researcher at a Mobile Network Research Laboratory Mobilenet: *University of Málaga*

JANUARY 2024 - PRESENT

Python and JavaScript developer of a Wi-Fi optimization system for densely populated urban environments. Development of a user interface to use a Wi-Fi simulator, including backend with Python adding concurrency to the simulator and frontend with Astro and React.

### Research Intern at a Mobile Network Research Laboratory Mobilenet: *University of Málaga*

MARCH 2023 - JANUARY 2024

Developer of a Wi-Fi network management evaluation platform. A network with multiple Wi-Fi access points manageable through a REST API developed in python. Including a user interface for management.

## EDUCATION

### Bachelor's Degree in Telecommunication engineering *University of Málaga*

SEPTEMBER 2020 - SEPTEMBER 2024

Specialty in the field of telematics.

### Semester exchange *University of Stuttgart*

MARCH 2024 - SEPTEMBER 2024

Extra courses: Machine Learning, Reinforcement Learning, System and Web Security, VR & AR, and Smart Cities and IoT.

## PROGRAMMING LANGUAGES AND FRAMEWORKS

Python, C/C++, Java, JavaScript, TypeScript, HTML, CSS, Astro, React, Tailwind CSS, PHP, Unity/C#, Docker

## LANGUAGES

Spanish - Native

English - C1 - Aptis ESOL

German - B1 - Official School of Languages, Spain

## ABOUT ME

I'm finishing my degree in **Telecommunications Engineering**. Since March 2023, I've been working at the **Mobilenet laboratory** at the University of Málaga, where I developed a network management evaluation platform and a **web interface** for a Wi-Fi simulator. These projects involved **Python**, **Astro**, **React**, **concurrency**, and **databases**. Currently finishing my **Erasmus exchange** in **Stuttgart**, Germany, I am eager to pursue a career in telecommunications and computer science here.