

# Ignacio Mata

Telecommunications engineer specializing in telematics.

Stuttgart, Germany

+34 655179958

nachomataalmagro@gmail.com

[nachomata.dev](https://nachomata.dev)

## 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, Unity/C#

## 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.