FEDERICO FERNANDEZ CARUSO

Land surveyor engineer with expertise in topography, geodesy, GNSS, and GIS. Skilled in the use of surveying instruments and software, with experience in both fieldwork and office tasks. Proficient in leveraging programming to process data and solve various types of problems.

CONTACT

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- 📍 Via Jacopo Ruffini, 9/1A - 16128 Genova
- in Federico Fernandez Caruso

SKILLS

Programming
- **Python**
- **MATLAB**
- **Bash**
- **C++**
- **LaTeX**

Operating Systems
- **Linux**
- **Windows**

Software & Tools
- **Surveying instruments**
- **GNSS processing**
- **GIS**
- **CAD**
- **Visualisation**
- **Data handling/analysis**
- **Office**
- **Git**
- **Docker**

Languages
- **Spanish**
- **English**
- **Italian**

Soft skills
- **Proactive**
- **Team work**
- **Problem solving**
- **Adaptability**

CERTIFICATES

First Certificate of English (FCE)

POSITION HELD

Currently working as a Junior GNSS engineer. My current activities include GNSS processing tasks, GNSS algorithms design and development, participation in Research&Development projects carried out in collaboration with other companies, and assistance in educational courses given by the company.

⚙ WORK HISTORY

📅 03/2024 - Present
📍 Gter SRL
Genova, Italy

Junior GNSS engineer

GNSS processing tasks, GNSS algorithms design and development, participation in Research&Development projects and assistance in educational courses.

📅 10/2023 - 02/2024
📍 GIS Design SRL
Varese, Italy

Land surveyor

- Field topographic survey of the sewer and drainage networks of the municipalities of the province of Varese
- Editing in GIS environment of data taken in the field
- Design of drawings in a CAD environment

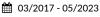📅 02/2020 - 07/2023
📍 National Geographic Institute
Buenos Aires, Argentina

Technical assistant in geodesy

- Administration and maintenance of RAMSAC (Argentinean national GNSS station network)
- Administration and maintenance of RAMSAC-NTRIP (RAMSAC real-time service)
- Design, testing, validation and start up of PPP-Ar (Argentine National Precise Point Positioning Service, started operations in July 2022)
- Development of scripts to automate processes, analyze data and make calculations and plots using Python, applied to GNSS data
- Installation of GNSS stations in the national territory
- GNSS and level measurements for the calculation of geocentric and height coordinates of GNSS stations and marks
- Calculation of GNSS station coordinates

🎓 EDUCATION

📅 03/2017 - 05/2023
📍 University of Buenos Aires
Buenos Aires, Argentina

Land Surveyor Engineer

MAIN ACTIVITIES

GNSS · Research&Development · Education