Gabriel Ruiz

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Portfolio : https://gabiruiz.com

LANGUAGE SKILLS

Spanish: Native language
English: Advanced level C1
French: Advanced level C1
Portuguese: Intermediate level B1
German: Elementary level A1

SOFT SKILLS

- Interdisciplinarity: due to the diversity of the fields of study I have encountered in my university education (Industrial Engineering, Economics, Environmental Sciences and Geography), working with teams from various scientific disciplines is familiar to me. This represents a considerable asset regarding the holistic approach in order to answer global and complex questions.

- Curiosity: this is a quality that I've been able to develop through my travels. This can certainly explain my desire to learn languages on my own.

- Organisation: in order to be able to travel longer, I have got to work on several strategies to carry that out with my limited financial resources. I endeavour to do the same in my work.

- Autonomy: since I travel mostly solo made me more resourceful, which also made me work on my decision-making.

- Adaptability: I am often facing changes in my life, such as moving out to various cities, in several countries of different cultures. This allows me to take on new challenges quite easily.

INTERESTS

Hitchhiking
Discovering the various cultures of the world
Sports : trek, football, tennis, beach volley, skate and snowboard

For more information:
https://gabiruiz.github.io/blog/

EDUCATION

2021 – 2022 | Master's in Spatial Data Science | UT2 et ENSAT
• *Observation: Master organised jointly by Université Toulouse - Jean Jaurès and ENSAT (École Nationale Supérieure Agronomique de Toulouse).*
• *Relevant coursework: GIS, Remote Sensing, Cartography, Graphic Design, Programming in Python, Relational Databases in PostgreSQL and Web development.*

2021 – 2022 | 3rd year BSs in Geography and Urbanism | AMU
• *Specialisation : Geomatics and Spatial Analysis.*
• *Relevant coursework: Spatial Data Collection and Processing, Univariate, Bivariate and Multivariate Statistics and Spatial Modelling.*

2019 – 2021 | 1st and 2nd year BSc in Environmental Sciences | AMU
• *Relevant coursework: Ecology, Hydrology, Pedology, Climatology, Epistemology and sociologie.*

2016 | BSc in Economics (Erasmus) | Maastricht University, Netherlands

2013 – 2016 | BSc in Industrial Engineering | Universidad del Desarrollo
• *Relevant coursework: Calculus, Algebra, Informatics, Statistics, Probability, Economy.*

E-LEARNING

August 2021 – March 2022 | Google Data Analytics
• *Syllabus: Data Cleaning, Calculation and Analysis in SQL and Excel, Data visualization and Data-Based Decision Making.*

April 2022 | Spatial Data Science and Applications | Yonsei University
• *Syllabus: GIS; Spatial Database Management System; Spatial Data Analytics et Big Data System.*

EXPERIENCE

March – August 2023 | Internship | MEOSS
MEO-Carbon tool improvement via:
Estimation of uncertainty on carbon stock-flow model currently obtained by the IFN
Mapping of forest growing stock and biomass by remote sensing techniques
Estimation of forest water stress by remote sensing techniques
https://meoss.net/meo-carbon/

May 2022 | Internship | TELEMMe's Laboratory at MMSH
Survey Databases cleaning which were based on the FIDELIO project that took place in the Calanques National Park, statistical processing and maps production. The FIDELIO research project (funded by the EU and implemented by the University of Warwick, the University of Cambridge and Aix-Marseille University) aims to assess the impact of biodiversity conservation policies on daily life of the local community.

TECHNICAL SKILLS

• *Database collection, structuring and processing in **PostgreSQL***
• *Perform calculations from a data table and statistical analysis in **Excel***
• *Spatial data collection, management, analysis, structuring and visualization in **QGIS***
• *Data analysis with NumPy and Pandas libraries in **Python***
• *Creation and graphical representation of KML data in order to create maps from satellite images in **Google Earth***
• *Predict and model the impacts on land-use change in **TerrSet***
• *Choropleth representation, proportional symbols, and typological representation according to the variables studied in **Magrit***
• *LiDAR point clouds classification in **ArcGIS Pro***
• *Maps and infographics visual appearance edition in **Adobe Illustrator***
• *Web development: **HTML**, **CSS** and **JavaScript***