

# MARÍA PEDROTE SANZ

GIS DEVOPS

## CONTACT

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María Pedrote Sanz

## EDUCATION

2024 - now

### MASTER IN GEOGRAPHIC INFORMATION SYSTEMS

Esri Spain

2018 - 2023

### BACHELOR OF SCIENCE IN GEOMATIC ENGINEERING

Polytechnical University of Madrid

- Sustainability grant PUM
- Prize Geodata Stand
- Prize for Technologic Innovation
- 2nd prize in Geomatic International Francisco Coello
- Esri Spain Conference 2023
- RIGTIG Conference 2024

2021 - 2022

### ERASMUS IN MUNICH

Technical University of Munich

## LANGUAGES

- Spanish ●●●●●
- English ●●●●●
- German ●●●●●
- Korean ●●●●●

## SKILLS

- Teamwork
- Time management
- Organisation
- Problem-solving
- Endurance

## PROFESSIONAL EXPERIENCE

### GIS DevOPS Officer

2023 - NOW

European Union Satellite Center

- Geoprocessing tools development with Python and GIS libraries such as ArcPy, GeoPandas, GeoJson
- Advanced GEOINT Spatial Analysis in ArcGIS Pro
- Web-based applications development with ArcGIS API for JavaScript and Python
- Management of CI/CD pipelines tailored for GIS data processing (GitLab)
- Upgrade and migration of existing applications and services to newer software releases
- End-user support through meetings and documentation
- Experience handling Classified Information
- Development in ArcGIS Pro with Esri's SDK .NET , CIM and ArcGIS API for Python
- Imagery data manipulation

### GIS Developer - Intern

2023

NTT Data

- Development of Geographic Information Systems applications with Esri's API for Javascript and HTML
- Database management with SQL, specifically for GIS purposes with PostgreSQL
- Process automatization with GIS Python libraries
- Maintenance of existing web services such as Dashboards and ArcGIS Enterprise Suite

### GIS Analyst - Intern

2022

Topography and Cartography Engineering Department

- Design and development of a Geographic Information System of the Southern Campus of the UPM in ArcGIS Pro
- Investigation of open data sources and their credibility for the system
- Data classification and enrichment for analysis purposes
- Implementation of the Digital Twin into Esri's web applications

## PROGRAMMING AND SOFTWARES

### Programming

- Python, specifically GIS libraries such as ArcPy, Pandas, GeoJson,
- JavaScript and HTML
- SQL for PostgreSQL and GIS Databases
- ArcGIS APIs for Python and JavaScript
- ArcGIS Maps for SDKs .NET

### Software

- ArcGIS Suite (ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise, Dashboards, Experience Builder, StoryMaps)
- Remote Sensing: Erdas Imagine
- Software Development: Visual Studio Code, Eclipse
- Office 365