

# Alejandro Monje Santos

GIS SPECIALIST

Madrid, Spain

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## Professional Experience

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### GIS Specialist, AECOM, Madrid, Spain

GIS analysis for projects in environmental impact assessments, development of web GIS applications and process automation with Python

2024 (06) - Now

### GIS Developer, Tecnosylva, León, Spain

Geoprocessing development, task automation with Python, and ArcGIS Enterprise administration. Publishing and managing services on ArcGIS Server. Spatial data processing

2023 - 2024 (9 months)

### GIS Draftsman, Boslan Ingeniería y Consultoría, Madrid, Spain

Calculating aerial obstacle violations using GIS and AutoCAD

2023 (6 months)

### Irrigation systems technician, FCC Medio Ambiente, Madrid, Spain

Spatial data collection and work with GIS.

2022 (3 months)

## Education

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### M.S. in Geomatics, Remote Sensing and Spatial Models Applied to Forest Management

Córdoba University, Córdoba, Spain

2024 - Now

### Course in Spatial databases: PostGIS

Politécnica de Valencia University, Online

2024

### M.S. in GIS

Esri, Madrid, Spain

2023

### B.S. in Environmental Engineer

Politécnica de Madrid University, Madrid, Spain

2022

## Personal skills

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- Language: English level B2
- Software: Advanced Microsoft Office Suite skills
- Software: Intermediate AutoCAD
- Software: Advanced GIS Desktop software (ArcMap, ArcGIS Pro, and QGIS)
- Software: Advanced knowledge of ArcGIS Online and ArcGIS Enterprise
- Software: Advanced Python skills, script automation with ArcPy and ModelBuilder. Experience creating scripts with various GIS libraries and data visualization tools (NumPy, pandas, GeoPandas, GDAL-OGR, bokeh, Matplotlib, leafmap)
- Software: Intermediate knowledge of web programming with HTML, JS, and CSS, and the ArcGIS JavaScript API and WebAppBuilder
- Software: Intermediate knowledge of SQL/PGSQL programming and spatial database management using PostGIS
- Software: Knowledge of remote sensing using LiDAR data and satellite imagery (multi- and hyperspectral)
- Software: Knowledge of data measurement using GPS, total stations, and LiDAR