Sergi Alvarez Guasch

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December 26, 1983
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08027 Barcelona - *Driving license B - own vehicle*

MAIN ROLES
Junior Data Analyst
&
GIS technician

EXPERIENCE

2020 – 2022   Solucions Geogràfiques. Barcelona   **GIS technician**

- ✓ GIS analysis of the land to find out the feasibility and the best location for the layout of a high voltage line and a wind farm, using more than 30 variables to study the alternatives.
- ✓ Management, analysis and collection of data on pollution levels prior to traffic calming from 35 points.
- ✓ Coached a team and digitized with CAD tools a new cartography for more than 100 terraces of Barcelona due to the new regulation marked by the pandemic.

2017 – 2020   GEOMEDI – *Surveying Digital Studio.* Barcelona   **Surveying technician**

- ✓ Analyzed data, developed projects and technical reports.
- ✓ Management, analysis and transformation of the data obtained on the ground (GPS, TCR, laser-scanner).
- ✓ Topographical surveys, stakeouts, georeferencing, and delineation of 2D and 3D plans using Microstation.

2015 – 2016   Zirkonzahn Worldwide. Italia   **CAD/CAM technician**

- ✓ Technical support through CAD/CAM software.
- ✓ Management, order processing and offers. Managed budgets or involved in organizational planning.
- ✓ Representation at events and exhibitions advising and resolving technical issues to more than 30 clients from Spain and Portugal. Representation at events and exhibitions.

2011 – 2012   C.R.E.A.F. Barcelona   **GIS & Remote Sensing technician**
2009 – 2010   Observatori Socioambiental de Menorca. Maó   **GIS technician**

- ✓ Digitised Land Cover Map of Catalonia (MCSC). GIS analysis, geometric, radiometric and photogrammetry corrections of satellite images.
- ✓ Collaborated in a team and digitised Land Cover Map of Menorca. territorial and landscape analysis, as well as the treatment, processing, transformation and analysis of satellite images.

EDUCATION

2022	**Data Analytics Bootcamp**. Python, SQL, Power BI, Tableau, Machine Learning. IronHack
2020	**Professional Master in GIS. Specialization in Geospatial Analysis** UdG - UNIGIS.
2020	Programming **Python-PyQGIS**. MappingGIS
2013	Oriented Object Programming **JAVA 2SE & C++**. Centre d'Informàtica Professional - CIPSA
2011	**Master in Remote Sensing and Geographical Information Systems**. UAB
2010	**Bachelor's Degree in Geography**. UAB

LANGUAGES, TECH SKILLS & PROJECTS

English	**IELTS**	*National Tertiary Education Consortium (New Zealand, 2015)*
		New Zealand Institute of Studies (New Zealand, 2014)
Spanish		Native or bilingual proficiency
Catalan	C1	Native or bilingual proficiency
Italian	A2	

GIS Technician – QGIS | ArcGIS | MiraMon | PyQGIS | PostgreSQL (PostGis) | CARTO | Mapbox | Microsation
Data Analyst – Python | Power BI | Tableau | MySQL | Machine Learning | Pandas | NumPy | Scikit-learn | Matplotlib

https://github.com/SergiGuasch/Projects.git