







# RONNY A. MEZA A.

Data Scientist ~ Geophysicist Eng.

 Publications  
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## RESUMEN

Data Scientist with background in team coordination, training, and execution of key activities such as ETL process. Proficient in Data Mining tools and applying Machine Learning techniques to uncover hidden information in datasets, as well as building and validating predictive models.

## SKILLS

**Software:** Python, SQL, Viscovery Somine, OpenRefine, QGIS,  $\text{\LaTeX}$ , and R.

## PROJECTS

- Python **Early Warning System** <https://www.accioncontraelhambre.org/es>  
Designed a model that produces synthetic indicators of economy, health, migration status, armed conflicts, among others, with the purpose of thoroughly monitoring all countries.
- Python **FSN Monitoring** <https://www.gis4tech.com/predisan-centroamerica-2021/>  
Developed a model employing socio-economic and agroclimatic data to anticipate indicators related to food security.

## EDUCACIÓN

- 11/2023 - 2028 **PhD in Data Mining and Machine Learning** University of Granada  
Doctoral Candidate
- 2017 - 2018 **Master's in Data Science and Computer Technology** University of Granada  
Specialization: Data Science and Intelligent Technologies
- 2005 - 2015 **Specialist in Integrated Management** Central University of Venezuela  
Integrated Studies Management
- 1992 - 1999 **Geophysical Engineer** Central University of Venezuela  
Specialization: Exploration Geophysics

## EXPERIENCE

- 2021 - Present **Data Scientist - Team Leader** Gis4tech  
Specializing ETL processes, I leverage clustering analysis to extract valuable insights from diverse datasets. Proficient in creating predictive models to enhance decision-making processes. Expertise in use of web scraping techniques and NLP for information extraction from news sources.
- 2020 - 2021 **Data Scientist (Researcher)** Kerma Systems Research S.L.  
Actively contributed to the advancement of an application designed to enhance the treatment experience for cancer patients undergoing radiotherapy. Leveraged cutting-edge Machine Learning techniques and innovative technology from the space sector.
- 3/2020 - 9/2020 **Data Scientist** Gis4tech  
I automated the generation of seismological shake maps for the Granada Province region. This process aimed to identify areas potentially vulnerable to specific seismic wave periods and provide actionable insights to decision-makers across various municipalities.
- 4/2015 - 9/2016 **Sr. Geophysicist (Geostatistician)** Gazprom Latin America  
Integrated diverse datasets to develop a comprehensive framework for the statistical modeling of oil reservoirs in the Junin field, Orinoco Oil Belt. Contributed to the enhancement of reservoir management strategies, and decision-making processes.
- 3/2012 - 9/2015 **Geoscientific Advisor (Integrated Studies Leader)** ARC Solutions CA.  
Conceived, tested, and oversaw the complete lifecycle of Matlab development, specializing in data visualization and engineering for earth modeling and drilling applications.
- 6/2006 - 3/2012 **Geoscientist (Researcher)** Geostratos Soluciones Geocientíficas C.A.  
Proficient in the end-to-end life-cycle of data science product development. Excel in crafting, testing, deploying, and providing robust support for advanced solutions. Primary expertise in the development of statistical applications.

## IDIOMAS

English - B2, Spanish - Native