



Jéssica Gonçalves

I am a multidisciplinary geologist skilled in GIS and Remote Sensing applied to environmental contexts.

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🖱 [Portfolio](#) | [LinkedIn](#)

📍 Rio de Janeiro, Brazil

Education

Erasmus Mundus Joint Master Degree Pangea

Multiple degrees | 2021-2023

- Master in Earth and Planetary Sciences, Environment (mention très bien)
University of Lille | 2022-2023

M.Sc. Geology

Federal University of Rio de Janeiro
(Brazil) | 2019-2021

B.Sc. Geology

Federal University of Rio de Janeiro
(Brazil) | 2013 - 2018

Skills

- Geospatial Analysis
- GIS Software Proficiency (ArcGIS, QGIS)
- Remote Sensing (image classification and interpretation)
- Data visualization
- Problem-solving
- Multidisciplinary Collaboration

Languages

Portuguese (native language)

English



French



Spanish



Experience

Volunteer Intern (Summer Internship)

Estrela UNESCO Global Geopark, Portugal | Jul 2022 - Sep 2022

- Participated in conservation actions and educational activities within the Estrela UNESCO Global Geopark;
- Promoted the Interpretative Centre of Serra da Estrela to tourists and visitors, enhancing public understanding of the area's geological heritage;
- Collaborated on urban area mapping of Serra da Estrela using GIS tools, contributing to spatial analysis and geoconservation actions.

GIS and Remote Sensing Analyst

Federal University of Rio de Janeiro | Jul 2018 - Aug 2021

- Collaboration on oil and gas projects working with multidisciplinary groups;
- Handled georeferenced databases and assisted in developing new methodologies for spatial and environmental analysis;
- Collaborated on the North Coast project, focusing on Geoprocessing techniques for Amazon Coastal ecosystems vulnerability;
- Delivered a comprehensive Land Use & Land Cover map from radar image classification using GIS and Remote Sensing software;
- Prepared technical reports, participated in goal-setting meetings, and contributed to the development and delivery of project results.

Oil and Gas Intern

Brazilian National Agency of Petroleum, Natural Gas and Biofuels |
Sep 2016 - Jan 2017

- Assisted in the organization and management of the oil and gas database;
- Visualized spatial data using ArcGIS software to support regulatory activities;
- Evaluated collected data and contributed to the elaboration of technical information;
- Supported the control of the issuance of data evaluation reports and the review of technical data resolutions.

Undergraduate Research Assistant

Federal University of Rio de Janeiro | Feb 2010 - Dec 2015

- Collaborated with a multidisciplinary group on R&D projects focused on oil exploration and environmental studies.
- Contributed to paleoenvironmental interpretation using microfossils to support research objectives;
- Developed professional skills through hands-on involvement in cutting-edge research and innovation.