

RODRIGO BRUST SANTOS

EU Citizen - Lisbon, PT

— ✉ rodrigobrusters@gmail.com — [in linkedin.com/in/rodrigobruster](https://www.linkedin.com/in/rodrigobruster) — [GitHub](#) — [Website](#)

Work Experience

Enline Energy

Geospatial Data Scientist

February 2026 - present

Portugal, Remote

CEiiA

Remote Sensing Data Engineer

August 2024 - February 2026

Lisbon, Portugal

- Responsible for developing satellite image processor pipelines, such as image correction, calibration, and geolocation, using Python (Rasterio, Orekit), Docker and Apache Airflow.

OreFox AI

Geodata Scientist Intern

March 2023 – July 2023

Remote

- Created a Python-based workflow using dimensionality reduction (PCA) on Landsat and Sentinel imagery to identify hydrothermal alteration, selecting a target area for vanadium exploration in Queensland, Australia. This reduced field team exposure to hazards and accelerated the mineral mapping process.
- Developed a Python web scraper for the Queensland Geologic Portal to access JSON files, increasing the efficiency of geological data acquisition by over 50

MDGEO

Environmental Analyst & Geotech Consultant

July 2021 – December 2022

Remote

- Analysis of drilling, structural, hydrological and hydrological data in order to install instruments, such as piezometers. Responsible data analysis with QGIS, PostgreSQL; Automation of tasks with Python, reducing the preprocessing data in 80%.

minerAI

Geodata Scientist Intern

January 2021 – July 2021

Remote

- Assisted in the development of machine learning models for mineral exploration and geospatial data processing.

Education

Salzburg University & Université Bretagne Sud

Copernicus Master in Digital Earth Master of Science in Geodata Science & Remote Sensing

2022 – 2024

Austria/France

Universidade Federal Rural do Rio de Janeiro

Bachelor degree in Geology

2016 – 2022

Brazil

Technical Skills

Languages: Python

Clouds & Databases: AWS, PostgreSQL, PostGIS, DuckDB

GIS: QGIS, ArcGIS Pro, e-Cognition, Geopandas, GDAL, PyQGIS, Google Earth Engine, Earth Observation, Rasterio, XArray, GeoTIFFs, COG, STAC

AI: Deep Learning, Machine Learning, Computer Vision, Open-CV, scikit-learn, PyTorch, TensorFlow, Keras, MLFlow

Developer Tools: Linux (Ubuntu), VS Code, Git, Jupyter Notebooks, Docker, Apache Airflow

Soft Skills: Communication, Organization, Responsibility, Brainstorming, Leadership

Languages

Portuguese: Native — **English:** C1 — **Spanish:** B2 — **French:** B1 — **Chinese:** B1/HSK3
— **German:** A1