



RUBIERE RAMIREZ

Geoinformatician

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- Belmopan, Cayo, Belize
- [rubi3r3](#)
- [CV](#)

EDUCATION

MSc in Geographical
Information Science and
Systems
(In Progress),
Paris Lodron University of Salzburg,
Salzburg, Austria
Expected 2026

BSc in Natural Resource
Management
University of Belize,
Belmopan, Belize
2014

SKILLS

R, R-Spatial, Python,
GeoPython, SQL, Spatial
SQL, QGIS, ArcGIS Pro,
Spatial Data Science, Data
Engineering, Remote
Sensing, Earth Observation,
Google Earth Engine,
PostgreSQL PostGIS, OSGeo
Geoserver, Web GIS,
Geovisualization and
Geocommunication

LANGUAGES

English

Spanish

► PROFILE

A geoinformatician with over eight years of experience in proprietary geographic information systems (GIS), free and open-source GIS, spatial data programming, spatial database management, remote sensing, earth observation, and spatial data engineering.

► WORK EXPERIENCE

Geographic Information System Assistant

Statistical Institute of Belize, Bemlopan City, Belize | 2022 - Present

Administer and maintain Enterprise GIS, spatial databases, services, Web GIS applications and perform earth observation on the built environment.

- Develop, administer and maintain spatial databases on PostgreSQL database with PostGIS extension.
- Develop, administer and maintain web applications on free and open-source software for geospatial (FOSS4G): GeoServer & Mapstore2; and on commercial off-the-shelf (COTS) software: Portal for ArcGIS & ArcGIS Server, Oracle Application Express.
- Create Sentinel-2 Geomedian of Belize with Google Earth Engine and classify urban areas with machine learning in Python.
- Develop tools to automate tasks and to standardize the extraction, transformation and loading of non-spatial data and spatial data into SIB's spatial data repositories with SQL, R, and Python.

Geographic Information System Technician

Statistical Institute of Belize, Bemlopan City, Belize | 2018– 2022

Create spatial data using front-end geospatial software and produce maps.

- Heads-up digitized building footprints for the entire country of Belize.
- Perform remote sensing techniques to detect changes in urban areas in QGIS.
- Process aerial photos from drone imagery in QGIS and ArcGIS Pro.

Geographic Information System Technician

Statistical Institute of Belize, Belize City, Belize | 2017– 2017

Assist CZMAI with data creation and field data collection.

- Heads-up digitized and updated building footprints for Caye Caulker using Google Earth Pro and existing building footprints.
- Assisted with the collection of land use and building information in Caye Caulker using Open Data Kit for android devices.