

Guilherme M. Iablonovski

GEOSPATIAL DATA SPECIALIST

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Education

Master of Science – MSc

Urban and Environmental Planning

Ecole d'Urbanisme de Paris 2016 – 2018

Master thesis "Allometries in urban metabolism models".

Bachelor of Engineering – BE

Geomatics Engineering

Federal University of Rio Grande do Sul 2019 – 2021

Bachelor of Architecture – BA

Architecture and Urbanism

Federal University of Rio Grande do Sul 2009 – 2014

Courses

Python Programmer Certificate DataCamp

2020 62h Credential ID 16440793

Sixteen courses comprising software development, data, wrangling and advanced data analysis in Python. Data manipulation, efficient Python code writing, including date and time data, text data, and web data using APIs.

Remote Sensing Professional Certificate

National Institute for Spatial Research

2018 80h

Final project: application of machine learning algorithms for object oriented classifications in satellite imagery.

Urbanism Bachelor Program

Institut d'Urbanisme, Université de Montréal

2011–2012

Year-long exchange program

Skills

Python pandas numpy scipy keras **geopandas**
rasterio rasterstats requests psycpg2 selenium
arcgis python api spacy fiona scrapy **Flask**

Git SQL PostGIS NoSQL **MongoDB**

Javascript **Google Earth Engine** ArcGIS Javascript API
OpenLayers Leaflet Geoserver Carto.js **MapboxGL.js**

ArcGIS Pro ArcMap **QGIS** Tableau AutoCAD ArcGIS
Urban ArcGIS Online **FME** Erdas Imagine

Recent publications

Yearly CO2 emissions from anthropogenic land use change by main driver (2014–2023)

Iablonovski, G.; Berthet, E. C.; Roberts, S. (2024)

doi/10.5281/zenodo.13273685

A global implementation of the rural access index

Iablonovski, G.; Drumm, E.; Lafortune, G.; Fuller, G. (2024)

Frontiers in Remote Sensing. Volume 5/2024

doi.org/10.3389/frsen.2024.1375476

GIS for the SDGs: Pedestrian accessibility in urban areas

Iablonovski, G.; Drumm, E.; Lafortune, G.; Fuller, G.; Sachs, J. (2024)

in Sustainable Development Report 2023

tinyurl.com/sdgaccess

Experience

Geospatial data scientist

UN Sustainable Development Solutions Network

Aug. 2022 – Present Paris, France

Developing new geospatial SDG indicators such as pedestrian accessibility to services. Head of geospatial data at SDSN Europe.

Geospatial data Specialist CLEAR Global

Mar 2020 – Jul. 2022 (US Based)

Data curation, acquisition, cleaning and analysis. Creation of thematic datasets on languages spoken in countries affected by the COVID-19 pandemic for sharing through **HDX**; design and distribution of maps and dynamic charts online. Data Partnership coordination for the DRC Programme, designing thematic maps and developing **data migration pipelines with Python and Spatial Databases**.

Visiting Lecturer

Université Paris Dauphine – PSL

Jan 2018 – Present Paris, France

Teacher to the **Data, Conflicts and Disasters** discipline.

Spatial analysis, data mining and introduction to GIS in the **humanitarian sector**.

Product Portfolio Manager

Codex Remote (ESRI Brazil)

Mar 2019 – Jul 2020 Porto Alegre, Brazil

Lead the team responsible for the design and development of new and existing digital spatially-enabled products across the company.

Geospatial data consultant United Nations

Dec 2016 – Feb 2019 Paris, France

Coordinating the creation of models to estimate quantities of debris created by catastrophic events such as civil wars and natural disasters. Clients included the **UNEP** (City of Mosul), **World Bank** (City of Aleppo), **UNDP** (Dumpsite identification in Southeastern Anatolia, Turkey, through **Google Earth Engine**) and the **Red Cross**.

Urban Planner 3C Arquitetura e Urbanismo

Jun 2014 – Dec 2016 Porto Alegre, Brazil

Geospatial data processing for urban planning.

Languages

English Full professional (TOEFL iBT 110/120)

French Full professional (DALF C1)

Portuguese Native or bilingual

Spanish Full professional

Honors And Awards

Emile Boutmy Scholarship Sciences Po Paris

2016

50 Rising Stars Award Geospatial World

2024

Hackathon 3rd prize

2016

French
Environment Ministry