

Guilherme M. Iablonski

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.

Scrum Product Owner Certification Prep

Udemy

2020

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 **Flask**

Git SQL PostGIS NoSQL **MongoDB**

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

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

Adobe Xd Adobe Illustrator Adobe InDesign Adobe
Photoshop **UX/UI Design** Design Thinking

Agile methods **Product Discovery** Product
Management Project Management (PMI)

Requirements Management Portfolio Management

Experience

Data Partnership Coordinator

Translators without Borders

Mar 2020 – Present

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.

Portfolio Manager

Codex Remote (Esri distributor)

Mar 2019 – Feb 2020 Porto Alegre Area, Brazil

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

GIS Consultant / Developer Plano C

Feb 2016 – Present Paris, France

Freelance geo-spatial and data analysis works for multiple international organisations such as TRANSLATORS WITHOUT BORDERS (US), WRI BRAZIL – WORLD RESOURCES INSTITUTE (US/Brazil) and the UN.

Visiting Lecturer Université Paris Dauphine

Jan 2018 – Feb 2019 Paris Area, France

Teacher to the "Data, Conflicts and Disasters" discipline. Spatial analysis, data mining and introduction to GIS in the humanitarian aid sector.

Spatial data Officer Urban Resilience Platform

Nov 2016 – Feb 2019 Paris, France

Coordinating the creation of models to estimate quantities of debris created by catastrophic events such as 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

Dec 2014 – Jan 2017 Porto Alegre, RS

Project manager to the Litoral Norte Urban Agglomeration's Spatial Database Project (METROPLAN); Lead designer to the Uruguay River Waterfront Park in Uruguaiana, BR.

Languages

English Full professional (TOEFL iBT 110/120)

French Full professional (DALF C1)

Portuguese Native or bilingual

Spanish Full professional

Volunteering

Contributor OpenStreetMap Foundation

Jan 2014 – Present