

# Guilherme M. Iablonski

## GEOSPATIAL DATA SPECIALIST

guilhermeiablo@gmail.com

+55 51 997 073 232

guilhermeiablo.github.io

### 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 Remote

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

#### Spatial data Officer Urban Resilience Platform

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**. UX/UI Design and Data Visualization for web applications for data protection (GDPR compliant) and risk assessments.

#### Urban Planner 3C Arquitetura e Urbanismo

Jun 2014 – Dec 2016 Porto Alegre, Brazil

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