

Beatriz B. Fantini – GIS Analyst – Licker Geospatial Consulting Co.



Education

B.A. Geography & Psychology,
University of British Columbia,
Vancouver, BC, 2021

Employment History

LICKER GEOSPATIAL CONSULTING
CO.

Vancouver, BC – Junior GIS
Analyst (Sept. 2023 to Present)

SPATIAL DATA ANALYTICS INC.

Vancouver, BC – GIS Technician
(Oct. 2022 to Sept. 2023)

SELKIRK INNOVATES

Castlegar, BC – Geospatial
Research Intern (March. to Oct.
2022)

PERSONALITY & GEOGRAPHICAL
AMBIANCE LAB

Vancouver, BC – Research
Assistant (Sept. 2021 to May.
2022)

CLIMATE & GLOBAL ECOSYSTEMS
LAB

Vancouver, BC – Research
Assistant (May. 2021 to Dec.
2021)

Expertise

-ArcGIS

-ArcGIS Online

-Python, SQL+

-Cartography and Design

-Radar and Optical Remote
Sensing

-Database Management

-Research

Biography

Beatriz is a seasoned GIS professional with a robust background in spatial data analytics, geospatial research, and programming. After receiving her Bachelor of Arts with a double major in Geography & Psychology and a minor in GIS, she decided to continue her geospatial learning by gaining practical experience in various fields. She has excelled in industry, demonstrating expertise with quality control, Python scripting, LiDAR data processing, and database management. Her experience with academic research has shaped her skills in spatial analysis, statistics, and data translation. Beatriz offers a versatile and well-rounded expertise, ready to contribute to GIS projects and provide actionable insights.

Select Project Experience

Cartography

- Mapping personality differences between Japanese prefectures – Personality & Geographical Ambiance Lab
- Mapped results of Service Area Network Analysis for RDCK Aging Population project to visualize distances from ambulance stations, emergency rooms and diagnostic facilities – Selkirk Innovates

Programming

- Create and implement python scripts to facilitate several aspects of data processing and delivery process – Spatial Data Analytics Inc.
- Translate MATLAB code into Python for more efficient large data processing using Dask and Xarray for the geographical analysis of Marine Heat Waves – Climate & Global Ecosystems Lab
- Built python script for the analysis of spatial datasets outputting descriptive statistics, spatial weights matrices, Global/Local Moran's I, and Getis-Ord G – Personality & Geographical Ambiance Lab

Remote Sensing

- Perform geocoding and LiDAR processing for the Wildland Urban Interface project. – Selkirk Innovates
- Implement LiDAR data processing and manual classification to create training data for machine learning algorithms – Spatial Data Analytics Inc.

Database Management

- Developed a Relational Database Management System using PostgreSQL to store geographical extent data for LiDAR scans – Selkirk Innovates



Licker
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2405 East Hastings St
Vancouver BC, V5K 1Y8