

Nelson Orellana

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SUMMARY

GIS Analyst with 6 years of experience, specializing in data analysis and database management. Expertise in conducting field surveys, collecting GPS data, analyzing spatial data for urban environment trends, and developing web mapping applications using ArcGIS Server and JavaScript API. Proven ability to collaborate with departments to define user needs and design cartographic maps on population density, land use, and topography.

EXPERIENCE

Keyholder Supervisor

Lindt

June 2018 – September 2023, Waterloo, ON

- Trained new employees on company policies, procedures and work ethics.
- Worked closely with upper management to develop strategies for improving operational efficiency within the store.
- Created monthly analysis of store key performance indicators to be presented to upper management, with clear outlines and goals for improving sales metrics.
- Managed the opening and closing processes for the store including cash handling responsibilities with the utmost accuracy.

Water and Wastewater Systems Planning Co-op

City of Hamilton

September 2021 – December 2021, Hamilton, ON

- Performed geoprocessing operations by buffering, clipping, merging and overlaying features.
- Implemented automated workflows for production of large scale map products.
- Created geodatabases utilizing ESRI software for storage of spatial data.
- Constructed geospatial databases from paper maps or online sources with accuracy levels meeting project requirements.

GIS Analyst

City of Guelph

September 2019 – December 2020, Guelph, ON

- Conducted field surveys and collected GPS data for GIS projects.
- Analyzed spatial data to identify patterns and trends in urban environment.
- Collaborated with other departments to properly define user needs for new projects.
- Designed cartographic maps depicting various themes about population density, land use and topography.
- Developed GIS web mapping applications using ArcGIS Server, JavaScript API and Flex Builder.

EDUCATION

Bachelor of Environmental Studies, Geomatics

Minor in Computing • University of Waterloo • Waterloo, ON

CERTIFICATIONS

Career Essentials in GitHub Professional Certificate

LinkedIn • 2024

Data Analysis with Python

FreeCodeCamp • 2024

SKILLS

Data Analysis: Python, Jupyter Notebooks, Excel

GIS: ArcGIS, QGIS, GeoPandas

Docker: Docker files, Docker Compose

Data Management: PostgreSQL, Git

Automation: GitHub Actions, Bash Scripting

Language: Conversational Spanish