

Liam Rosborough

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Summary of Qualifications

- Strong GIS, Remote Sensing, Environmental and Spatial Analysis skills developed through diverse projects at work and school.
- Excellent communication and customer service experience in both English and French.
- Honest and competent worker with a strong work ethic and desire to learn.

Experience

DISTRIBUTION AND GEOSPATIAL INTELLIGENCE ANALYST | TD BANK | MAY 2021 – AUG 2021

- Analyzed TD Bank's physical branch network to determine areas of high or low traffic. Used a variety of geospatial analyses and data science techniques to build cases for the opening, closing, or moving of branches. Gained experience leading projects and presenting my findings.

GEOSPATIAL OFFICER | ENVIRONMENT AND CLIMATE CHANGE CANADA | MAY 2020 – DEC 2020

- Provided geospatial support in the form of mapping products, analysis, and presentations for the Great Lakes Baseline Habitat Survey. Developed and conducted an effective mesh size analysis for the Lake Ontario basin, as well as a shoreline hardening analysis of the Lake Ontario shoreline.

TRANSPORTATION ANALYST | GEOREF SYSTEMS | SEP 2019 – DEC 2019

- Provided database maintenance and assisted with implementation projects for various student transportation organizations using the BusPlanner GIS. Translated software documentation from English to French. Interacted with clients through the LiveAgent Ticketing System to provide technical support.

TECHNICAL TRAINEE - GIS | CITY OF TORONTO | JAN 2019 – APR 2019

- Utilized the ArcGIS suite, SQL queries, and Python scripting to plan road resurfacings and reconstructions in the City of Toronto based on geographic area, pavement quality, and cost. With the analyzed data, I created maps and presented my analyses to Transportation Services.

LIBRARY GIS ASSISTANT | UNIVERSITY OF WATERLOO | SEP 2018 – DEC 2018

- Gained experience retrieving data for patrons from a variety of spatial and aspatial data portals. Helped students with geospatial projects for school and research. During off-peak hours digitized, georeferenced, and uploaded historical orthophotos to the library website.

GIS ASSISTANT | ONTARIO MINISTRY OF NATURAL RESOURCES | APR 2018 – AUG 2018

- Digitized water features across Ontario based off aerial imagery in ArcMap for the Ontario Hydro Network. Researched and updated metadata records for the Ontario Imagery Program. Had the opportunity to work with LiDAR data to prepare DEMs and DTMs in ArcMap.

Education

HONOURS B.E.S GEOMATICS | UNIVERSITY OF WATERLOO | SEPT 2017 – ANTICIPATED APR 2022

- Achieving a minor in Computer Science, as well as the French Language II Diploma.
- Completed coursework in GIS, Spatial Analysis, Remote Sensing, Computer Science, and Land Surveying.

Skills & Abilities

- **GIS** - Knowledgeable in ArcGIS Online and its suite of products. Proficient in performing spatial analyses, digitizing, creating maps, and querying data in ArcGIS Pro and ArcMap. Strong knowledge of open-source alternatives such as QGIS and PostGIS.
- **Remote Sensing** - Extensive experience working in PCI Geomatica and Google Earth Engine for environmental projects. Strong foundation in remote sensing theory.
- **Communication** - Strong presentation skills, gained through various presentations at TD Bank and ECCC. I gained further experience presenting during my GIS and Remote Sensing capstone courses at school. I am confident in taking low-level technical information and presenting it at a higher level for wider audiences through written and oral communications.
- **Software** - Very knowledgeable of the Microsoft Office suite of products; Comfortable using Alteryx for data manipulation and analytics.
- **RPAS** - Comfortable creating flight plans and operating remotely piloted aircraft systems (RPAS) for data collection.
- **Coding** - Familiar coding in Python, R, HTML, CSS, JavaScript, and Command Line to develop tools and automate processes.
- **RDBMS** - Significant experience working with relational database management software such as Microsoft SQL Server and PostgreSQL.
- **Web Development** - Passion for web development and website design, particularly web mapping using technologies such as Leaflet in JavaScript.
- **Metadata** - Wealth of experience creating metadata for spatial and aspatial products through multiple work experiences and school projects.
- **Languages** - I love learning about new languages, and have been a French student for eighteen years. I have work experience providing technical translation services from English to French and vice versa.
- **Design** - Strong knowledge of vector-based image editing software, and using it to create visually pleasing visual components for reports or posters.

Certifications and Interests

- Transport Canada Basic Operations RPAS Certificate, Advanced Operations RPAS Examination.
- Restricted Operations Certificate with Aeronautical Qualification (Radio Operations).
- Standard First Aid, CPR-C.
- Full G level driver's license.
- I enjoy film, camping, hockey, rugby, volleyball, golf, reading, and card games.