**PROFILE**

Self motivated individual seeking an opportunity to work with Geographic Information Systems (GIS) across various fields particularly in the environmental industry where I can positively contribute to an organization and further develop my knowledge/skills to effectively apply them in future career endeavors.

**PRACTICAL & TECHNICAL SKILLS**

- Environmental Research/Lab/Field Skills - PCI Geomatica (Remote Sensing) - SQL & SQL Server

- ArcGIS Suite & ESRI Products - Python & GIS Programming/FME - AutoCAD 2020

- MS Office Products & R - HTML, CSS & JavaScript/jQuery - Data Analysis & Management

**EDUCATION**

**Post-Grad Certificate, Geographic Information Systems Application Specialist 2021**

Fleming College**,** Peterborough ON

* Able to explore, identify and analyze geospatial problems and develop solutions and validate results.
* Learned of various fundamental techniques and software’s used for capturing, analyzing, structuring and displaying geographic/spatial data.
* Gained knowledge and expertise in relation to spatial analysis, remote sensing, computer programming (python and web design), cartography & geovisualization, geodesy & environmental modeling, surveying and GIS database principles.

**Bachelor of Science in Environmental Science 2014 – 2018**

University of Guelph, Guelph ON

* Great ability to collect and analyze environmental data and information and propose potential solutions.
* Effectively able to address an extensive range of environmental issues including soil and water conservation, greenhouse gas mitigation, plant disease management and chemical movements throughout the environment.
* Developed a thorough understanding of numerous relevant subject matters such as environmental chemistry & toxicology, soil science & conservation, hydrology & groundwater, watershed management and environmental agriculture.

**RELEVANT EXPERIENCE**

**Web Design & Development Volunteer, Bit by Bit Coding January 2021 - Present**

• Maintain and update our central website  
• Find new ways to improve reach and engagement through design and quality content (such as a blog or resources page)

### Mentee, URISA's GISCorps (Mentoring Network) January 2021 - Present

* Connected with Michele Mascia (on LinkedIn) - <https://www.linkedin.com/pulse/short-report-animal-census-wwf-michele-mascia/>
* Assisted him with this project with WWF on a deer census for the natural reserve Monte Arcosu in Sardinia (Italy)
* Receptive feedback and open to learning new skills that their Mentor may offer

**Volunteer Map Editor (Remote),** **U.S. Geological Survey (USGS) November 2020 – Present**

* Using custom online map editor to collect, modify, delete, and verify structures data.
* Use online maps and map search engines as supporting resources to pinpoint and identify locations.

**Mapping Volunteer (Remote), Humanitarian OpenStreetMap’s Team May 2020 – Present**

* Mapping tasks such as creating/digitizing base maps via tracing buildings, roads and waterways
* Assisted in data processing and other visualization duties using the Tasking Manager.
* Validation done to check OSM data/maps to ensure completion, accuracy and able to meet all requirements of OSM features and tagging.

**Volunteer Content Writer (Remote), CrisisMappers June 2020 – Present**

* Primarily created blog content for the CrisisMappers website, in relation to crisis mapping including global humanitarian efforts, GIS/mapping technology & software and relevant news/events.
* My work can be viewed by searching my name on the CrisisMappers website.

**Citizen Scientist, Toronto & Region Conservations Authority April – July 2018**

Brampton, ON - Heart Lake Road Ecology Monitoring Project

* Worked with field data near Heart Lake with objective of recording wildlife-vehicle collision sites (WVC’s), notable wildlife along roads, species proximity to roads and alive/dead status.
* Made use of GPS units to determine UTM co-ordinates and visual photography (camera/phones) was taken to provide visual reference for data analysis. Currently a community volunteer for the TRCA.

**WORK EXPERIENCE**

**Operations Service Officer****I*,* TD Bank Group May 2018 – May 2019**

Mississauga, ON

* Provided a broad range of operational support for clients (data entry/customer service), performing general-specialized transactions and processing activities (i.e. processing wires and 3rd party credit checks).
* Supported partner relationships and held accountable for maintaining operational effectiveness to ensure business objectives are met. Delivered subject matter expertise for internal and external parties.

**MEMBERSHIP**

**BeSpatial/URISA Ontario, Student Member May 2020 – Present**

* Offered existing skills, experiences and knowledge by contributing to support and add value to the GIS community in Ontario.
* Involved in professional networking opportunities at a leadership level and to use management/ organizational skills at the community level.