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## GIS Professional

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### PROFESSIONAL PROFILE:

- Expert in GIS concepts and methodology.
- Experience building web map application using Esri templates and JavaScript libraries.
- Foundation in database management and data manipulation.
- Capable of using scripts to automate tasks.
- Hard-working team player who is comfortable meeting the needs of diverse stakeholders.
- Effective researcher and technical writer.
- Background in terrestrial and water sampling.
- Knowledge of laboratory tasks and procedures.

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### CORE PROFESSIONAL STRENGTHS:

#### Geospatial Software

- Esri Suite of Products
- ArcGIS Pro
- ArcGIS Online
- Experience Builder
- StoryMaps
- Survey123
- Field Maps
- QGIS

#### Data Management:

- SQL
- Oracle Spatial
- PostgreSQL
- Microsoft Excel
- FME Form
- FME Flow

#### Other Software:

- Microsoft Word
- Apache OpenOffice
- AutoCAD
- Civil3D

#### Programming Languages / Libraries

- Python
- ArcPy
- PyQGIS

#### Web Development:

- HTML / CSS
- JavaScript
- Leaflet JS Library
- ArcGIS Maps SDK for JavaScript
- Node.js

#### Other Skills:

- Technical Writing
- Research
- Field Sampling
- Laboratory Work
- Driving in difficult terrain
- Classroom Teaching
- Lesson Planning
- Stakeholder Management
- WordPress

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## EDUCATION:

### GIS Advanced Diploma

BCIT - Burnaby, British Columbia  
2024 - 2025

### Bachelor of Environmental Science (Hons.)

University of Manitoba - Winnipeg, Manitoba  
2014 - 2019

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## RELEVANT EXPERIENCE:

### Volunteer Writer and Editor

September 2024 -

GoGeomatics Canada

- Participate in weekly meetings discussing developments in the geospatial industry.
- Plan, research and write articles for GoGeomatics Canada's website.
- Attend community events such as GeoIgnite 2025 in Ottawa and the QGIS User Conference 2025 in Norrköping, Sweden.
- Recipient of the 2025 Volunteer of the Year Award.

*Working Environment:* Microsoft Windows, WordPress, Apache OpenOffice

### Practicum Student

January 2025 – May 2025

United Way Centraide Canada

- Supported United Way Centraide Canada in developing a spatial data management strategy and expanding its geospatial knowledge base.
- Conceptualized a method for visualizing United Way Centraide Canada grant data alongside a variety of geospatial and demographic information.
- Built a Leaflet-based web map application for United Way Centraide Canada's internal community dataset.
- Created a set of Python scripts to automate updates for the web map application.
- Accompanied the web map application with documentation for troubleshooting and streamlined future updates.

*Working Environment:* Microsoft Windows, QGIS, Microsoft Excel, Microsoft Word, Leaflet JS Library

### Technical Assistant

Summer, 2024

City of Winnipeg Public Works

Spring/Summer, 2016 - 2018

Insect Control Branch

- Performed citizen-facing services such as answering inquiries, receiving buffer zone applications, and responding to insect related "special requests."
- Participated in the surveillance and treatment of nuisance and invasive insect pests, alongside the collection and identification of culex spp. mosquitoes, in collaboration with the Province of Manitoba's West Nile Virus Surveillance Program.
- Periodically assumed a supervisory role with the responsibility of overseeing staff, assigning daily tasks, and ensuring safe handling and return of vehicles.

*Working Environment:* Field Sampling, Lab Work

## Teacher

May 2019 - April 2024

Lertlah School Phetkasem Campus

- Taught primary aged students a range of topics, with an emphasis on science and STEM content.
- Managed the needs of students, parents and administration through effective teamwork, communication and planning.
- Exercised extreme flexibility and creativity in work, especially during the challenging and novel environment of the COVID-19 Pandemic.

*Working Environment:* Classroom Teaching, Lesson Planning, Stakeholder Relations, Microsoft Windows, Microsoft Word

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## PROFESSIONAL AND PERSONAL CERTIFICATIONS:

- Class 5 Drivers Licence

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## PUBLICATIONS:

- Legris, D. (2025, January). Key Environmental Mapping Initiatives Shaping Canada's Geospatial Landscape. GoGeomatics Canada. <https://gogeomatics.ca/key-environmental-mapping-initiatives-shaping-canadas-geospatial-landscape/>
- Legris, D. (2025, February). Lidar CANEX 2025: Aviation Safety 101 – Aircraft Selection and Job Safety. GoGeomatics Canada. <https://gogeomatics.ca/lidar-canex-2025-aviation-safety-101-aircraft-selection-and-job-safety/>
- Legris, D. (2025, March). Securing Canada's water resources in a changing world. GoGeomatics Canada. <https://gogeomatics.ca/securing-canadas-water-resources-in-a-changing-world/>
- Legris, D. (2025, April). Why a U.S. Mapping Program Is Gaining Bipartisan Support Amid Research Funding Cuts. GoGeomatics Canada. <https://gogeomatics.ca/why-a-u-s-mapping-program-is-gaining-bipartisan-support-amid-research-funding-cuts/>
- Legris, D. (2025, May). URISA BC No More – GeoConnect's Debut Conference. GoGeomatics Canada. <https://gogeomatics.ca/urisa-bc-no-more-geoconnects-debut-conference/>
- Legris, D. (2025, May). CCMEQ Student Hackathon Results: Building Resilience with GEO.ca GoGeomatics Canada. <https://gogeomatics.ca/ccmeo-student-hackathon-results-building-resilience-with-geo-ca/>
- Legris, D. (2025, June). Advancing Open-Source GIS: QGIS User Conference 2025 Recap. GoGeomatics Canada. <https://gogeomatics.ca/advancing-open-source-gis-qgis-user-conference-2024-recap/>
- Legris, D. (2025, July). Advancing Open-Source GIS: QGIS User Conference 2025 Recap. GoGeomatics Canada. [How to Bridge Reality and Digital Space – A Conversation with John Hale](#)

## OTHER PROJECTS:

### Honours Thesis Research Project

- Working alongside an advisor and GIS technician, studied mosquito population numbers, mosquito resiliency, public opinion, and spatial cover in relation to the City of Winnipeg's adult mosquito treatment program.

### Via Rail Router and Tourism Application

- As a member of a three person team, helped to create a VIA Rail router and tourism information application built using the ArcGIS Maps SDK for JavaScript.
- Gave the opportunity to explore performance optimization techniques, such as converting online web layers into GeoJSON files in order to reduce dependency on ArcGIS Online and improve application efficiency.

### Smartville GIS Implementation Plan

- As a member of a four person team, created a GIS implementation plan for a fictional municipality in British Columbia.
- Considered procurement, hiring, data and system implementation, deployment and documentation.

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**REFERENCES** - Available Upon Request