

Education

- *Bachelor of Applied Technology in Geographic Information Systems* from Southern Alberta Institute of Technology, Calgary, AB, (Pending)
- *Bachelor of Science, Major in Biology, Minor in Psychology* from Mount Allison University, Sackville, NB, May 2007.

Certification and Achievements

- Numerous ESRI ArcGIS skill certifications
- CABIN (Canadian Aquatic Bio-monitoring Network) Certificate from the Canadian Rivers Institute.
- Health Canada, First Nation Community Based Water Monitor (CBWM) auditor
- Biosafety Officer and Human Pathogen and Toxins Act (HPTA) License holder for Maxxam Analytics Atlantic Canadian locations
- WHMIS/GHS Certification

Assets & Relevant Experience

- Extensive training in ArcGIS and related GIS software for spatial analysis and visualization.
- Training in use of ArcGIS Spatial Analyst, 3D Analyst Extensions, geocoding and relational databases.
- Capstone project working with Husky Energy Inc. using Modelbuilder to create complex geoprocessing operations that effectively predict the flow path of an overland oil spill.
- Experienced with working in an environment that is highly time dependant and requires excellent time management and scheduling skills

Computer Skills

- Excellent operational knowledge of PC and Mac systems with particular familiarity with, LIMS, Microsoft Office Suite (Word, Excel, Access, Power Point).
- Extensive training in GIS software including; ArcGIS 10.x, ArcGIS Online ENVI, FME Workbench, Google Earth Pro.
- Training in relational databases (Microsoft Access), training in SQL and Python scripting.

Work/Volunteer History

- *GIS Data Collector: Nova Scotia Power* *Nov 2017 – Current*

Key responsibilities: Field collection of power equipment, assessment of damage to power equipment after weather events and collection of spatial data.

- *GIS Student: County of Huron IT Department* *Oct 2017 – Nov 2017*

Key responsibilities: Creation of maps and datasets to support towns/municipalities within the county. Field collection of data for display and analysis with GIS tools.

- *Senior Analyst: Microbiology, Maxxam Analytics* *Apr 2012 – Oct 2017*

Key responsibilities: Continuation of previous duties as an Analyst II with increased emphasis on training of less experienced staff, data validation, pathogenic conformation, culture maintenance and acting as a back-up to the supervisor.

- *Property Guardian (volunteer), Nova Scotia Nature Trust* *Apr 2015 – Current*

Key responsibilities: Monitoring properties for damage or alteration. Follow GPS waypoints and maps to photograph and describe specific points of interest for monitoring.

- *Supervisor: Microbiology, Maxxam Analytics* *June 2015 – June 2016*
(Parental Leave Position)

Key responsibilities: Process Improvement, SOP creation and maintenance, mentoring of staff, staff reviews, ensuring proper analysis and safety procedures are being followed. First Nations water monitoring assessments.

- *Lab Technician: Microbiology, Maxxam Analytics* *Sep 2007 – Mar 2008*
Analyst I *Mar 2008 – Aug 2009*
Analyst II *Aug 2009 – Apr 2012*

Key responsibilities: preparation and quality control analysis of microbiological culture media, food, water and soil sample preparation for analysis, and lab maintenance. Food and soil sample analysis, entering sample results.

- *Dairy Farm Labourer: Van Wychen Farms Ltd.* *Apr 2003 – Sept 2007*

Personal Profile

- Strong work ethic with a high level of dedication
- Quick learner with excellent problem solving skills
- Responsible and detail oriented
- Excellent ability to manage external pressures

References available on request