

CAREER PROFILE

Geomatics Specialist with a diploma in Computer Information Systems and Integrated Resource Management combined with 15 years experience using Geographic Information Systems for resource based decision making complimented with web development and project management skills.

EMPLOYMENT EXPERIENCE

Geomatics Technician | Ministry of Forests, Lands and Natural Resource Operations, Nelson, BC

September 2014 – present

- Provide training and guidance to other staff on the use of GIS software and applications.
- Verify and check input data to ensure continuity, integrity and compliance with standards.
- Create and maintain spatial and attribute databases used in Geographic Information System (GIS) applications.
- Populate, update and maintain linkages between databases as information becomes available.

Research Assistant | Selkirk College, Castlegar, BC

January 2014 – December 2014

- Maintained full stack GIS web mapping and reporting application.
- Contributed to internal electronic documentation (wiki) for developers and users.
- Produced spatial products, terrain models, graphics, and descriptive statistics.
- Exposure to GeoCortex Essentials.

Sole Proprietor | Twig Technologies, Nelson, BC

December 2013 – February 2017

- Providing web development, design and maintenance to small and medium sized businesses.
- IT and web consulting.
- Computer maintenance, repairs and upgrades.

Web Developer | Freelance, Nelson, BC

December 2011 – December 2013

- Researched, recommended and implemented full stack web map application.
- Compiled, managed, and digitized source information to create various data products.

Spatial Information Analyst | Ministry of Forests, Lands and Natural Resource Operations, Nelson, BC

January 2012 – March 2013

- Participated and presented at regional GIS hackathon.
- Conducted and automated complex analysis through python scripting.
- Created automated mapping tool for use by clients.
- Refactored corporate Python scripts.

Recreation Technician | Ministry of Forests, Lands and Natural Resource Operations, Nelson, BC

June 2010 – March 2011

- Maintaining the recreation resources inventory and ensured recreational database integrity.
- Fostered and maintained links with recreation partners.
- Monitored and managed contracts, and certified release of payment on satisfactory performance.
- Managed budget and acted as spending authority.
- Reviewed financial records of managing partners.

Spatial Information Analyst | Integrated Land Management Bureau, Nelson, BC

October 2002 – June 2010

- Conducted advanced analysis on a variety of complex planning issues and decision making projects.
- Lead technical projects to support research and planning activities.
- Conceptualized, designed and developed advanced analysis integrating data from a diverse range of sources.
- Adhered to data management policies, procedures, systems and standards.
- Coordinated and managed various projects and contracts for clients.
- Created and managed metadata for the BC government corporate metadata system.
- Planned and used resources to meet operational requirements for the successful delivery of projects.
- Planned, organized and implemented GIS training sessions for clients and staff.

EDUCATION

Computer Information Systems

1999-2002
Selkirk College
Castlegar, BC

Integrated Resource Management Technician

1992-1996
Sir Sandford Fleming College
Lindsay, ON

SKILLS

GIS: ArcGIS Online | ArcGIS 10.3 | FME | DNRGarmin | QGIS | GRASS | Ozi Explorer

Database Systems: Oracle | MySQL | PostgreSQL | Access

Scripting and Programming: Python | SQL | HTML5 | CSS | Javascript | PHP

Operating Systems: Unix | Linux | Windows | Mac OS X

Other Software: PyCharm IDE | Sublime Text | GIMP | Inkscape | Microsoft Office Suite | VPN | GIT

LANGUAGES

Bilingual in French and English, both oral and written.