

**Profile:**

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**Objectives:**

To continue my professional development towards a middle management position by being an intrapreneur of innovative and collaborative projects. To facilitate relationships between technical communities of practice and decision makers who can leverage geospatial and scientific data. To apply problem solving and analysis skills in solving real world problems. To develop my transferable skills in project management, team building, leadership and policy development with the support of my technical skills and 12 years of subject matter expertise in geomatics.

**Transferable Skills Summary:**

Project Management and Evaluation	Team Leadership	Prototyping
Policy Development and Integration	Instructor and Educator	Change Management
Standards Evaluation and Compliance	Contract Management	Data Management
Public Speaking and Presentations	Systems Automation	Functionally Bilingual
Procurement Management	Problem solving	Analysis
Interpersonal Networking	Community Building	Innovation
Collaboration	Flexible	Adaptive

**Technical Skills Summary:**

Spatial Data Infrastructures	Geo Data Management	Web Mapping
Geographic Information Systems	Spatial Databases	Geospatial Standards (OGC)
Open Source Integration	Remote Sensing	Computer Networking
Quality Control and Assurance	Aerial Imagery	Rapid Prototyping
Collaborative Technologies	Process Automation	Python Scripting

**Associations/Membership:**

- Freeheelers United: Telemark Ski School (Co-Founder / Member)
- Computers for Communities: Technology Access (Founder / Member)
- Open Source Geospatial Foundation: Ottawa Chapter (Member)
- Canadian Association of Nordic Ski Instructors (Member)
- Canadian Association of Geographers (Past Member)

**Relevant Experience**

**GeoConnections, Natural Resources Canada****2007 - 2010**Technical Support Analyst, Technology and Standards Team

- Support the Canadian Geospatial Data Infrastructure (CGDI) through standards
- Analyze gaps in technology, standards and data sources within projects

One Stop Geo Gateway: Systems Architect

- Branch priority project to consolidate various data dissemination portals
- systems architecture and design, usability design, agile development

CGDI Reference Implementation:

- Spatial Data Infrastructure (SDI) based on CGDI endorsed standards

Policy Position Paper, “Adaptability and Innovation”:

- Presented six options to sustain the Canadian Geospatial Data Infrastructure.

Mapping Distribution of Grants and Contributions:

- Map proponent locations of grants and contributions projects using KML

KML Best Practices:

- Principles in the display, attribution, branding of data and services for KML

Collaborative Tools:

- Presentations to investigate and evaluate various collaboration tools
- GCPedia, GCConnex and GCForums for use in interdepartmental groups.

Systems Testing and Quality Control of GeoConnections Discovery portal:

- Lead beta testing for a \$2 Million geospatial metadata repository contract

**Computers For Communities (Founder)****2008-2010**

- Founded non profit organization to help people access computers and the Internet
- Goals: raise \$10K, 1000 computers, 100 volunteers, 10 computer labs

**Freeheelers United (Co-Founder)****2004-2010**

- Co-founded non-profit ski school to promote the sport of Telemark Skiing
- Partnerships, 6 festivals, 4 instructors, 250 club members, 20 courses / year

**Earth Sciences Sector, Natural Resources Canada****2006 - 2007**Geographic Information Tech: Software Development

- Increased productivity of production team, decreased costs \$120K / year

Geographic Information Tech: Map Colour Correction

- Automated color selection and pattern repetition through photoshop scripts

Geographic Information Tech: Georeferencing

- Implemented Open Source tools to decrease costs and increase efficiencies

Geographic Information Tech: Image Processing

- Streamlined process for scanning of analog images

Cartographic Information Technician

- Streamlined name placement process to exceeded monthly quotas by factor of 10

Line of Business IT Representative

- Leadership role in analysis and troubleshooting of network / server performance.

**Department of Indian and Northern Affairs, Head Quarters** **2006**

Geomatics Technician: Implementation of corporate enterprise GIS

**Centre for Sustainable Watersheds, Portland, Ontario** **2005**

Geomatics Technician: Develop course material and lectures for biological field data

**OSGEO: Open Source Geomatics Foundation** **2005 - 2006**

- Co-founder and president of the Ottawa OSGEO chapter

**OGUG: Ottawa's GRASS (GIS) User's Group** **2004 - 2005**

- Founder of a users group focusing on the Open Source GIS package GRASS

**Dendron Natural Resource Surveys, Ottawa, Ontario** **2004**

- Provided bug reports and analysis to software development team

**Eastern Ontario Model Forest, Kemptville, Ontario** **2004**

- volunteer indexing of recreational trails using Open Source GIS

**Southern Era Resources, Toronto, Ontario** **2003**

- Field Prospector: GIS data acquisition, photo interpretation, sampling, sketches

**Campground Manager / Park Warden, Huntsville, Ontario** **2003**

- Manage a diverse team of front line, maintenance and enforcement staff
- Financial management, approve equipment purchases, control serialized permits.

**Field Instructor and Counselor** **1994-2002**

- Outward Bound Canada, Huntville, Whiteriver, Thunder Bay 2000-2002
- Camp Arrowhow, Algonquin Park, Ontario 1999
- Pinecrest Recreation Complex, City of Ottawa 1998

- Scouts Canada, Camp Opemikon, Smiths Falls, Ontario 1994-1998

### Key Credentials

Lakehead University, Thunder Bay, Ontario	
HB. Outdoor Recreation, Parks and Tourism	2002
B.A. Geography (minor in Occupational Ethics)	2002
Certificate of Tourism Resource Management	2002
Ontario MNR Park Warden Certification	2003

### Programming Languages:

Python	VB6 / Basic	ESRI Avenue Scripting
Java	Bourne Again Shell Scripts	PCI ESI scripting
DOS Shell Scripts	C for portable devices	PSQL

### Software

Geographic Information Systems	Office Productivity Suites
Remote Sensing image processing	Collaboration platforms
Content management Systems	Relational databases
Linux, MS Windows, MAC	Image Editing

### Hardware

Servers	Switches / Hubs / Routers	Plotters	GPS
Desktop PC's	Application Servers		Magnetometer

### Professional Development:

Project Management: Public Sector ('09)	Hummingbird DM: Administrator ('06)
Self Directed Training XSLT ('08)	Write Winning Geomatics Proposals ('05)
Self directed training XML ('07)	Open Geospatial 2005. (conference) ('05)
Java programming: Introduction ('07)	Eastern Ontario GIS users Seminar ('05)
Self directed training Visual Basic 6 ('07)	ESRI Regional User Conference ('05)
Self Directed training Python ('07)	Ottawa GRASS (GIS) Users Group ('05)
Ottawa Barcamp (Conference) ('07)	

### Research

Northwestern Shoreline Erosion of Lake Superior	2001
Flood Way Sediment Deposition Study	2002
Honours Thesis:"FRESH Tracks"	2003