



# Darryl William Hissem

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## *Resume*

### **CAREER OBJECTIVE**

"I am a highly motivated and educated individual, who is actively searching for a full-time career with in a position where I could utilize my acquired skills/education in GIS/Cartography, and continue learning through innovative opportunities and challenges; career progression through corporate achievements..."

### **HIGHLIGHTS OF QUALIFICATION**

- Applied experience in analyzing and designing for forestry/utility incorporations
- Diploma in Geomatics Technician (GIS) 2 year course
- Post Graduate Certification in Cartographic Specialist (GIS) 1 year course
- Superb knowledge of GIS concepts, applications and software
- Experienced in use of Orthophotography; for project development and reference material
- Oral, written and electronic communication skills above average
- Ability to conform to shifting priorities, demands and timelines through analytical and problem-solving capabilities - dedicated and focused with flexibility
- Highly detail oriented with an emphasis on accuracy and quality of work
- Gathering, analyzing, interpreting, distributing and usage of geographic information

### **RELEVANT SKILL SET and SOFTWARE**

#### **Software**

- Geospatial Software: ArcGIS v9.3.1, AutoCAD 2010, Manifold v8.1, Avenza MAPublisher v8.2 and Geographic Imager v2.5
- Database Development: MS Access, Oracle v10g (Basic Concepts), Geodatabase (File and Personal)
- GIS Programming (Limited): VB.net, VBA
- Web Based GIS Applications: ArcGIS Server, Autodesk MapGuide, Open Source MapGuide
- Web/Graphic Design: Adobe Design Suite CS3/CS4, Adobe Acrobat Pro X, HTML, JavaScript

#### **Skills**

- Spatial analysis, statistical analysis, network analysis, data acquisition, data manipulation/integration/validation, modeling, map production, geodatabase creation and maintenance, topological rules adherence, GPS data collection and manipulation, coordinate systems, surveying and theoretical concepts, project management, transformation and projections
- Superb knowledge of GIS concepts, applications and software. Gathering, analyzing, interpreting, distributing and using geographic information
- Ability to conform to shifting priorities, demands and timelines through analytical and problem-solving capabilities - dedicated and focused with flexibility
- Expert level graphic design skills in Adobe Illustrator/Photoshop
- Extremely map-literate and have a strong understanding of geography, data management, QA/QC (quality control/quality assurance), project management/assignment distribution, and cartographic principles

### **EMPLOYMENT EXPERIENCE**

#### **1. Utility GIS/GPS Technician, Etobicoke, ON - May 2010 – January 2012**

Accomplishments include extensive practical application of GIS function/GPS collection techniques in creating electrical utility networks for corporations such as Hydro One, Toronto Hydro, and Veridian. Work primarily accomplished with Intergraph G/Tech, ESRI ArcGIS 9.3.1,



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and AutoCAD 2010. My work was performed with a professional, talented group of Project Managers, and Developers.

- **Veridian**

Primary development technician in the digitization and implementation of GIS utility network located in Gravenhurst, ON, using operations files (DWG) and Intergraph G/Tech application to digitize nonexistent utility GIS. Project involved use of aerial photographs for hydro pole placement and power line digitization, Google Streetview, Bing Maps, AutoCAD, engineer drawings (as-built), and field collections to accomplish project successfully.

- **Hydro One/Toronto Hydro**

Receiving GPS field collection, post processing of said points and creating feeder polyline shapefiles to be used in the corporations GIS department; all work was performed on High Voltage and Low Voltage underground feeder systems, accuracy was kept to under .75m on average based upon GPS post processing then polygon/polyline digitization in ArcGIS to be delivered back to client. As with Veridian, use of Google Streetview, Bing Maps, AutoCAD, engineer drawings (as-built), and field collections to accomplish project successfully.

## **2. GIS Cartographer/Freelance, Various Locations, ON - September 2009 – Dec 2011**

Projects completed as of date have involved general GIS Mapping, Spatial Analysis, Interpretation, Data Manipulation and Correction, and Student Tutoring/Mentoring. Freelance work overlapped other employments.

Examples of mentioned experiences that used these skills are listed next:

- **Consultation – Toronto, ON – Spring 2010**

I was involved in the GIS consultation process in regards to the concept of GIS Cloud and “Layar” platform development, with a startup company and my work was completed, project involved the conceptual needs for creating a network of databases for use in online active data distribution.

- **Demographic Marketing (Spatial Analysis) Visualization - Barrie, ON – Dec 2009 – Jan 2010**

Project contracted to develop a demographic map for an extreme sports magazine (company still in development phase) for aiding in the development of advertising campaigns directly related to the distribution of a sport magazine under development out of the City of Barrie, ON.

- **Lorwell Lake Cottage Association - Brudenell, Ontario – Summer of 2009**

I was contacted by the Lorwell Lake Cottage Association to develop a cottage map for use by the association in their yearly meetings. Data was collected in a canvas, using GPS, and use of existing maps of area including OBM (Ontario Base Maps) and Topographical ad Orthophotography.

- **GAMiiNG Nature Centre - Lindsay, Ontario – April 2009**

Project set forth was to capture data by way of GPS and to transfer that data to ArcGIS to be used in the making of a tourism/site map for the nature centre as a handout for visitors. Work was completed within time frame allotted and presently being used by the facility, 2 week commitment.

- **County of Simcoe Land Acquisition - Forestry Lands Tool - Barrie, Ontario – Jan 2009 – June 2009**

My team aided in the production of a software package including Cartographic output and Spatial Analysis of surrounding available woodlands for use in determining viable land purchases for the County of Simcoe in Central Ontario. Project required total programming of the decision making tool, layout design and outputs meeting the criteria put forth by the



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Municipality. Project completed and presently being used by the County of Simcoe for its designed purpose.

### **3. GIS Tutor – Fleming College – Lindsay, ON - September 2006- August 2009**

I acted as a paid GIS Tutor for the GIS Applications/Cartographic Specialists program out of Fleming College

Aid was provided to students in areas of:

- Graphic visualization – Creating pleasing and appropriate cartographic displays using ESRI ArcGIS 9.2, Adobe Illustrator CS4 w/ Avenza MAPublisher 8.x, Adobe Photoshop CS4
- Teaching concepts in geospatial analysis, 3D analysis, network analysis, Georeferencing, Spatial adjustments, Remote Sensing, and some more of the critical ESRI concepts
- Some programming problems in VBA, VB.Net

### **EDUCATION**

<b>COURSE</b>	<b>SCHOOL</b>	<b>GRADUATED</b>
<b>G.I.S. Cartographic Specialist</b>	<i>Fleming College, Lindsay, ON</i>	<b>2007-2009</b>
<b>Geomatics Technician</b>	<i>Fleming College, Lindsay, ON</i>	<b>2005-2007</b>
<b>Multimedia Design</b>	<i>Niagara College, Welland, ON</i>	<b>2000-2002</b>

### **INTERESTS/HOBBIES**

- Sailing, Camping, Hiking, GPS Geocaching, exploring new lands; leading new adventures.