

# Terry Transportation

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403-210-0123  
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## PROFILE OF QUALIFICATIONS

- Communication: Strong written, verbal and graphical communication skills demonstrated in technical reports school and presentations
  - Resourcefulness: proven record of rapid learning and ability to work independently and as part of a team
  - Solid knowledge of Microsoft Excel, Word, Access and PowerPoint, including Visual Basic for Applications
  - Traffic modeling and simulation: Experience using Trafficware's Synchro and Simtraffic
  - Familiarity with computer graphics applications such as the Corel suite and Paint Shop Pro
  - Formally trained in Intergraph Geomedia Professional
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## EDUCATION

### **Bachelor of Science, Civil Engineering**

Minor in Transportation Engineering  
University of Calgary

**Year-present**

### **Project Highlights**

#### *Senior Project Design Course*

- Conducted detailed transportation impact assessment for the design of the new Calgary Science Centre
- Researched provision of alternate modes of transportation to the Science Centre site

#### *Independent Civil Engineering Project*

- Gathered data and modeled five intersections on Country Hills Boulevard using Trafficware Synchro
- Performed capacity analysis, optimized signal timing and simulated various signal configuration scenarios
- Produced report with recommendations to the City of Calgary

#### *Independent Research in Transportation Issues*

- Conducted study of the state of the practice in Intelligent Transportation Systems around the world
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## WORK EXPERIENCE

### **Civil Engineering Intern (12 Month Internship)**

Alberta Transportation, Edmonton Alberta

**Year-Year**

- Enhanced the accuracy and consistency of data migration tasks through the development of tools using Visual Basic
- Created inventory data reports used in transportation asset management and data migration using Geographic Information Systems such as Intergraph Geomedia Professional
- Designed databases for Infrastructure Management System usage monitoring, reporting and for training
- Performed user acceptance testing of Infrastructure Management System and verified the accuracy of road data
- Created business process documentation for transportation asset management tasks

University of Calgary, revised 2010, <http://www.ucalgary.ca>, viewed 9 December 2011

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## **VOLUNTEER EXPERIENCE**

### **Fund Raising Volunteer**

United Way of Alberta Capital Region

**Year-Year**

- Designed a database of past and current donors to simplify fundraising activities and monitor their effectiveness
- Created mail merge templates linked to the donor database providing customized donation recognition and requests

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## **ACHIEVEMENTS**

### **Third Prize – Undergraduate Student Paper Competition** Year

Centre for Transportation Engineering and Planning (C-TEP)

Country Hills Boulevard: A Case Study in Traffic Signals Optimization

### **Elected Class Historian – Civil Engineering Graduating Class** Year

University of Calgary

### **Elected Class Orator – High School Graduating Class** Year

Leonardo da Vinci High School

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## **MEMBERSHIPS**

Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA) – Student Member Year

Canadian Society for Civil Engineering (CSCE) Year-Present

Institute of Transportation Engineers (ITE) Year-Present

Intelligent Transportation Systems Society of Canada (ITS Canada) Year-Present

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## **INTERESTS**

**Hiking:** Enjoy summer and winter hikes in Kananskis

**Reading:** Historical novels and biographies