

## Summary of Qualifications

- **Transportation Engineering:** developed empirical statistical models to predict collisions on a zonal-level based on exposure, infrastructure, and socio-demographic variables visualized in ArcGIS
- **Transportation Planning:** conducted transportation research, policy development and report writing, organized sustainable transportation events through presentations, community engagement and leadership
- **Urban Planning and Development:** researched planning policy documents, analyzed market trends and collected demographic data and projections to create long-term strategic plans and development strategies
- **Public Consultation:** organized public consultation sessions, talked to the public and stakeholder groups about upcoming projects and identified key issues
- **Communication skills** demonstrated through teamwork during my 2.5 years of professional experience
- Proficient in ArcGIS, Geomedia, QGIS, WordPress, Adobe Illustrator, InDesign, Photoshop, SketchUp, Excel, Word, PowerPoint, SAS Studio, and AutoCAD

## Relevant Experience

### **Student Transportation Planner**, TransLink, New Westminster, BC, Apr 2015 - present

- Researched, wrote and presented a report on the transit fare policy background in Metro Vancouver and analyzed best practice industry and literature examples to inform the Transit Fare Policy Review
- Worked with the Policy team to plan and coordinate the next key steps for the Mobility Pricing Strategy

### **Research Analyst**, MXD Development Strategists, Richmond, BC, Mar 2014 - Dec 2014

- Analyzed the complex relationships between land use, transportation, policy and economics to develop market-driven development strategies and for both private sector and public sector clients
- Researched and performed data mining, synthesizing, analyzing and presenting findings in a comprehensive manner through reports, maps and presentations
- Interacted with clients and teammates to deliver high-quality projects and meet strict deadlines

### **Assistant Transportation Planner and Smart Commute Coordinator**, City of Hamilton, ON, May-Sept 2013

- Managed Smart Commute Hamilton by running and updating its public profiles, executing sustainability events and connecting in person to employees through outreaches at Smart Commute workplaces
- Assisted in the development and improvement of TravelWise, a transportation mobile app
- Researched and co-wrote Hamilton's BikeShare Request for Proposal document
- Initiated a program to facilitate active transportation friendly businesses and business districts by conducting best practice research, developing a partnership with a local NGO and working with local businesses

### **Teaching Assistant**, Visual Approaches to Design and Communication, University of Waterloo, ON, Jan 2013-April 2013

- Provided leadership and instruction to two groups of ten students in a studio setting

**Research Assistant**, University of Waterloo, ON, Sep-Dec 2012

- Created a 3D model of the City of Waterloo in ArcView by converting existing GIS data and importing accurate self-designed SketchUp models of various building types
- Edited, referenced, integrated feedback, designed and formatted (InDesign) an Age Friendly Cities guide for the province of Ontario, Finding the Right Fit: Age-Friendly Community Planning

**Assistant Environmental Planner**, Ecoplans: A Member of MMM Group, Mississauga, ON, Jan-Apr 2012

- Organized Public Information Centres, and compiled comments from public and stakeholders identifying issues pertaining to Stage Two of an Individual Environmental Assessment for a transportation corridor

**Assistant GIS Technician**, District of Mission, BC, May-Sep 2011

- Finalized a GIS project that allowed the district to successfully model the drainage system

## Education

**Masters of Applied Science in Civil Engineering**, Transportation Engineering,  
**University of British Columbia**, Vancouver, BC, Sept 2014 - present

- Completed courses related to transportation safety, policy, economics, demand management and costs
- Thesis research on transportation safety includes developing macro-level Collision Prediction Models and applying them to a case study of the City of Vancouver to predict bicycle safety on a zonal level

**Bachelor of Environmental Studies**, Planning, Specialization in Urban Design and Land Development,  
**University of Waterloo**, Waterloo, ON, Sept 2009 - Dec 2013

## Awards

- **Dillon Consulting Scholarship**, Transportation Association of Canada Foundation, 2015
- **John Varden Memorial Scholarship** Canadian Institute of Transportation Engineers (CITE), 2015
- **"Transportation in a Sustainable World" Student Award**, CITE, 2015
- **Dean's Honours List**, Excellent Standing, University of Waterloo, 2014

## Volunteer Work and Activities

**Student Executive Member**, UBC Institute of Transportation Engineers Student Chapter, Sep 2014 - present**Director, Active and Community Transportation Working Group**, Waterloo, ON, Jan 2013-Dec 2013

- Conducted group meetings, facilitated discussions and managed all sustainability projects
- Attended weekly Grand River Public Bike Share (GRPBS) discussion meetings as the University of Waterloo representative. GRPBS is a community group dedicated to bringing a Bike Share system to Waterloo.
- Projects included installing Sharrows on a university road and hosting a university-wide "Bike Day"

**Participant**, University of Waterloo Transportation Workshop, Karlsruhe, Germany, Oct 2013

- Attended a week long transportation workshop put on by a University of Waterloo planning and civil engineering professor in Karlsruhe, Germany. The workshop theme was to research and develop potential transportation solutions through the integration of all transportation modes.