

Summary of Qualifications

- Passionate about sustainable transportation planning and engineering
- Long-term objective to plan and design interdisciplinary and innovative transportation solutions
- Professional and academic experience seeing projects through conception to completion
- Friendly, reliable and keen to continuously learn new concepts and methods to improve results
- Experience working with ArcGIS, Geomedia, QGIS, HTML & CSS, WordPress, Adobe Illustrator, InDesign, Photoshop, SketchUp, Excel, Word, PowerPoint, SAS Studio, and AutoCAD

Relevant Experience

Engineering Assistant II, City of Vancouver, Vancouver, BC, Jan 2016 - present

- Analyzed circulation, safety, infrastructure and environmental data, as well as public and stakeholder comments to inform the planning and design of specific active transportation corridors in the city
- Modeled and presented multiple characteristics of the city's bicycle network in QGIS

Student Transportation Planner, TransLink, New Westminster, BC, Apr 2015 - Sep 2015

- 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

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 included developing statistical models to predict bicycle collisions on a zonal level based on exposure, infrastructure and socio-demographic variables visualized in ArcMap

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 transportation workshop put on by a University of Waterloo planning and civil engineering professor in Karlsruhe, Germany with the theme to develop multimodal transportation solutions for the city.