

## EDUCATION

**Master of Science in Transportation & Master of City Planning** June 2018

**Massachusetts Institute of Technology (MIT)**

- Cumulative GPA: 4.9 out of 5
- MIT Presidential Fellow, 2015-2016 (awarded to top one hundred applicants to MIT)
- Thesis: "How Workplace Benefits can Nudge Solo Car Commuters Toward Sustainable Modes"
- Teaching Assistant for graduate course "Behaviour & Policy: Connections in Transportation"

**Bachelor of Applied Science in Engineering Science, High Honours** June 2015

**University of Toronto**

- Cumulative GPA: 3.9 out of 4
- Enriched program with emphasis on first-principles theory, engineering design and communication
- Major in Infrastructure Engineering (Transportation Focus)

## RELEVANT EXPERIENCE

**Research & Strategy, Autonomic Inc. (Ford Smart Mobility)** July 2018

- Curated competitive intelligence across urban transportation, shared mobility and automotive sectors to guide strategy for start-up specialized in connected vehicle cloud technology (acquired by Ford Motor Company) to February 2018
- Researched and prepared marketing materials including slide decks, customer case studies, an industry white paper and blog
- Liaised across teams at Ford to develop emissions reductions strategies using Autonomic software
- Consulted with municipal stakeholders as an industry expert on the future of autonomous and connected vehicles

**Graduate Research Assistant, MIT Transit Lab** September 2016

- Researched behavioural impacts of workplace-based travel demand management programs to June 2018
- Co-led the implementation of a campus-wide commuter benefits overhaul that reduced parking demand by nearly 10% within two years
- Designed and implemented a randomized controlled trial to reduce parking demand among eleven thousand employees on MIT campus
- Project manager and mentor to undergraduate research assistant
- Awarded grand prize at International Parking Solutions Competition in recognition of research

**Transit Planner, San Francisco Municipal Transportation Agency (SFMTA)** June to

- Managed public consultation process for bus transit priority project, including overseeing an intercept survey of 1,400 transit riders, drivers, pedestrians and business owners August 2016
- Led a team of 9 staff to build and implement a GIS-based tool that mapped deadhead routes for the purposes of streamlining non-revenue bus operations
- Worked one-on-one with the Director of Transit to conduct a review of international best practices on agency performance metrics

**Transportation Systems Designer, IBI Group** May 2013 to

- Internship at a consulting firm specializing in urban planning and transportation systems June 2014
- Developed road safety improvement strategies for high-risk corridors and conducted big data-informed travel time analyses for 2015 Toronto Pan American Games

## **RELEVANT EXPERIENCE (Cont'd)**

- Research Assistant, Department of Civil Engineering, University of Toronto** 2011 to 2013
- Developed integrated urban microsimulation models for transportation-land use planning
  - Collaborated with interdisciplinary team to design, write and validate forecast models of growth in housing market and travel demand for the Greater Toronto-Hamilton Area

## **SELECTED AWARDS**

- Fellowship, Future Leaders Development Conference, Eno Center for Transportation** 2018
- Selected as one of twenty graduate students across the United States to participate in a leadership development program in Washington, D.C. with transportation leaders across sectors
- Grand Prize, Parking Solutions Competition, International Parking & Mobility Institute** 2017
- First place awarded by IPMI for presenting a pitch to reduce single-occupant vehicle use through workplace-based behavioural incentives

## **COMMUNITY INVOLVEMENT and VOLUNTEER WORK**

- President, MIT Transportation Student Group** December 2016 to December 2017
- Led student government for Masters and PhD students in Transportation at MIT
  - Managed professional development initiatives, social events and student recruitment efforts
- Student Representative, MIT President's Committee on Transportation & Parking** September 2016 to June 2018
- Appointed by MIT President L. Rafael Reif
  - Advocate on behalf of student body for campus transportation policies and programs
- Peer Mentor, MIT Department of Urban Studies and Planning** September 2016 to June 2018
- Volunteer for Peer Application Support Service (PASS), assisting students of colour, international and queer applicants with MIT admissions process
- Fellow, MIT Graduate Student Leadership Institute** 2016
- Selected through interview process to participate in seven-week leadership development Program through MIT Sloan Business School
- Treasurer, Institute of Transportation Engineers (ITE), University of Toronto Chapter** September 2014 to June 2015
- Oversaw chapter fiscal operations and event planning

## **ACTIVITIES and INTERESTS**

### **Music Education and Performance**

- Conductor and Music Director, University of Toronto Engineering Musical 2014 to 2015
- Instructor and Counsellor, National Music Camp of Canada 2010 to 2014
- Associate of the Royal Conservatory of Music in Piano Performance 2010

### **Competitive Road Cycling**

- Racing Member, MIT Cycling Road Team 2007 to present
- Ontario Cup Road Race participant