

PROFESSIONAL SUMMARY

Internationally experienced transportation planner and engineer with 6+ years of experience in areas of public transit, travel demand management, road safety and active transportation across Canada, the United States and United Kingdom. Dual graduate degrees from MIT in transportation engineering and city planning.

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 (awarded to top one hundred graduate 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 (Major in Infrastructure Engineering)

- Cumulative GPA: 3.9 out of 4
- Enriched engineering program with emphasis on first-principles theory, design and communication
- Recipient of Scholarships from Institute of Transportation Engineers and Transportation Association of Canada

RELEVANT EXPERIENCE

Special Projects Manager, Tower Transit Group – London, United Kingdom May 2019

- Served in an internal consulting role for international public transit operations firm based in London, Singapore and Australia to April 2020
- Deployed to Singapore as final co-editor of a \$1 billion tender proposal for bus operations (under three-month secondment to Singapore subsidiary)
- Served as deputy manager of depot electrification project, introducing battery-electric buses into London's fleet for the first time; developed project timelines, budget and critical paths
- Authored internal research paper at request of Group Chairman on international best practices of bus transit contracting models to identify and prioritize business expansion efforts
- Redesigned Training & Recruitment Department protocols to improve quantity and quality of driver job applications, resolving acute driver shortage in Fall 2019

Research & Strategy, Autonomic Inc. (Ford Smart Mobility) – Toronto, Canada 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 2019
- Researched and prepared marketing slide decks, customer case studies and industry white paper
- Liaised across teams at Ford to develop emissions reductions strategies using Autonomic software
- Consulted with municipal stakeholders as an industry expert on future of autonomous vehicles

Graduate Research Assistant, MIT Transit Lab – Boston, USA 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

RELEVANT EXPERIENCE (cont'd)

- Transit Planner, San Francisco Municipal Transportation Agency – San Francisco, USA** Summer 2016
- Managed public consultation process for bus transit priority project, including overseeing an intercept survey of 1,400 transit riders, drivers, pedestrians and business owners
 - Led a team of 9 staff to build and implement a GIS-based tool that mapped deadhead bus routes for the purpose 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 – Toronto, Canada** May 2013 to June 2014
- Internship at a consulting firm specializing in urban planning and transport systems
 - Developed road safety improvement strategies for high-risk corridors and conducted big data-informed travel time analyses for 2015 Toronto Pan American Games
- Research Assistant, Department of Civil Engineering, University of Toronto** 2011 to 2013
- Developed integrated urban microsimulation models for transportation-land use planning
 - Designed and validated forecast models of housing market and travel demand for Toronto Region
- PUBLICATIONS and PRESENTATIONS**
- Peer-reviewed publications and presentations are listed at: adamrosenfield.ca/publications
- 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 (IPMI)** 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
- Music Education and Performance**
- Pianist and French hornist, various community orchestras and ensembles 2005 to present
 - 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 (ARCT) 2010