

## CAREER OBJECTIVE

Contribute to multi-disciplinary urban design and planning teams leading sustainable city building and transportation initiatives, particularly related to walking and cycling, while engaging and learning from the diverse stakeholders affected by such endeavors.

## TRANSPORTATION PLANNING EXPERIENCE

2007 - Present

**Transportation Planning Consultant:** IBI Group

### IBI GROUP

- Specializing in sustainable transportation and its relationship to urban form, which includes pedestrian behaviour research; pedestrian access to transit; pedestrian, cycling, and public transit policy; contemporary approaches to street design and the institutions that frame them; and urban design research and practise.
- Employing diverse skills across all projects including strong writing, conceptual and GIS mapping, statistical analysis, survey design, and web site development.
- Leading the transportation team to integrate InDesign, Illustrator, and other design packages into our workflow for clearer and more engaging communication.

#### *Recent project experience includes:*

#### WALKING AND CYCLING MASTER PLANS

Intimately involved in all aspects of developing several ongoing pedestrian and cycling masters plans, such as coordinating consultation events, researching appropriate policies and programs, developing network options, and detailing implementation plans. [3 ongoing: *Kitchener, Ajax, and Whitby*]

#### WALKING AND CYCLING NATIONAL STRATEGY

Leading the development of a research paper on active transportation for Transport Canada to detail a range of possible areas of involvement by the federal government and thus form the foundation upon which a Canadian Active Transportation Strategic Plan will be developed. [ongoing]

#### ACTIVE TRANSPORTATION IMPLEMENTATION

Interviewing expert practitioners, analysing literature, and leading web-based focus groups for a Canada-wide synthesis of active transportation initiatives to assist local governments in identifying and unravelling the critical factors, needs, and challenges to successful implementation. [ongoing]

#### MAINSTREET PEDESTRIANIZATION OPTIONS

Conducted extensive research and led coordination with the urban design team as part of the City of Hamilton's Downtown Transportation Master Plan to explore transit mall, pedestrian mall, and shared space design options to span four blocks of the City's main commercial strip.

#### URBAN TRANSPORTATION INDICATORS SURVEY

Led the coordination of an eight-member team and authored significant portions of a holistic multiple accounts evaluation of economic potential for rapid transit in the City of Hamilton. The study articulates both qualitative and quantitative impacts, from personal travel costs to equitable access.

#### REGIONAL TRANSPORTATION PLAN

Involved in numerous aspects of the ambitious Metrolinx Regional Transportation Plan. Led the design of the conceptual maps and authored a significant portion of the Active Transportation Green Paper #3, *available online*.

#### CAR SHARE TDM RESEARCH

Co-authored report and led on-line survey development for the Transportation Association of Canada's 4th Urban Transportation Indicators Survey of Canadian municipalities. Introduced revisions to better address active transportation.

# DYLAN J. PASSMORE

2005 - 2007

**Research Assistant:** U of T, Joint Program in Transportation

**U of T**

- Worked with Dr. Eric Miller to add bike, subway, taxi, school bus, and GO Rail to a complex tour-based mode choice sub-model for the Integrated Land Use, Transportation, and Environment agent-based simulation model (ILUTE).
- Managed a software re-design (primarily C++ and Python) to the mode choice and activity scheduling sub-models, pushing them closer to mainstream application.

2006 - 2007

**Researcher:** U of T, Current Issues Paper

**U of T**

- Applied qualitative research methods for my planning degree thesis, "The Experience of Walking to Public Transit in São Paulo, Brazil".
- Identified how planning oversights around this issue impact the public transit user's overall travel experience through interviews with pedestrians (in situ) and professionals as well as a comprehensive review of relevant policy and legislation.
- Proposed key recommendations to improve the pedestrian experience by building off the preferences and mitigating the stresses identified through this research.

2007 (Summer)

**Research Assistant:** U of T, Centre for Urban and Community Studies

**U of T**

- Worked in a research team with Dr. Andre Sorensen to develop an interpretive framework for civil society groups successful at shaping positive urban change.
- Prepared dossiers which detail the strategies, resources, and networks employed by public space and cycling groups in Toronto through interviews with key actors, literature reviews, and media and web research.

## ENGINEERING EXPERIENCE

2003 - 2004 (6 months)

**Information Technology Officer:** PAHO, Costa Rica

**PAHO**

- Volunteered as a government-sponsored intern through the Canadian Society for International Health to plan and develop the local Pan American Health Organization website and secure intranet. Spanish was the working language.

2002 - 2003

**Research Assistant:** UBC HCT Lab, Vancouver

**UBC**

- Developed a hardware prototype as well as its real-time 3D driving simulator for an interdisciplinary research project involving three-way collaboration between the University of British Columbia's interdisciplinary Human Communication Technologies lab, the UBC Psychology Department, and an industry partner.

2000 - 2002

**Research Engineer:** IVL Technologies Inc., Victoria BC

**IVL**

- Documented, designed, and implemented a high performance C library and C++ framework used as the central code base for all core signal processing algorithms.
- Led a major migration effort to Matlab and Simulink release 12 which also involved establishing coding protocols to ensure less onerous future migrations.

## TECHNICAL SKILLS

MS OFFICE 2007	INDESIGN	ILLUSTRATOR	PHOTOSHOP	LIGHTROOM
MAPINFO	ARCGIS	TABLEAU	SPSS	C++, PYTHON, JAVA

## MEMBERSHIP

- Association of Pedestrian and Bicycle Professionals, Individual Member
- Toronto Coalition for Active Transportation, Steering Committee Member

## POST SECONDARY EDUCATION

2007

**M.Sc.Pl.**

**Urban Planning – University of Toronto**

(with exchange term at Universidade de São Paulo, Brazil)

Cumulative Average: A

Transportation-related papers:

- The Missing Leg: The experience of walking to public transit in São Paulo, Brazil
- Evolving Streets: A review of contemporary approaches to street design
- Naked Standards? Influencing driving behaviour through urban design
- Including Minor Modes of Transport in a Tour-Based Mode Choice Model with Household Interactions [co-authored with Roorda & Miller, presented at TRB #87]
- Crossing St. George: An evaluation of pedestrian street crossing behaviour
- Growing Pains in Toronto: The case of the St. Clair West R.O.W. [in Portuguese]

2000

**B.Sc. (Hons)**

**Computer Engineering – Queen's University**

Cumulative Average: 84% (92<sup>nd</sup> percentile)

## ACADEMIC DISTINCTIONS AND HONOURS

U OF T

- Co-authored TRB paper (see iv above), 2007
- Canadian Transportation Research Forum Scholarship, 2005
- 3 University of Toronto Fellowships, 2004-2007

QUEEN'S

- Nortel Upper Year Engineering Award, 1999
- 3 Dean's Awards for high cumulative academic standing, 1996-1999
- NSERC Award – Industrial undergraduate student research award, 1998

## GENERAL INTERESTS

ACTIVITY

- 8 years of living car-free, thus regularly commuting by foot, bike, and transit
- Salsa, cycling, volleyball, ultimate frisbee, squash, frisbee golf, and foosball

TRAVEL

- A total of one year spent in Brazil (through travelling and an official exchange)
- Worked for half a year in San José, Costa Rica
- Extensive travel in Cuba, Central America, and Western Europe

LANGUAGE

- Portuguese, Spanish, and French (in order of decreasing fluency)

MUSIC

- Perform regularly as a percussionist with two Brazilian percussion groups (samba with "Batucada Carioca" and maracatu with "Nunca Antes")

WEB

- Designed and maintaining a site with commentary and photos describing aspects of the urban landscape in cities that I visit [www.dylanpassmore.com]

REFERENCES AND WRITING SAMPLES AVAILABLE UPON REQUEST