

## KEVIN YEUNG

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### SUMMARY OF QUALIFICATIONS

- 3+ years of academic and professional experience in transportation planning and engineering
- Supported the analysis, consultation and documentation for 10+ cycling planning and design studies
- Knowledgeable in forecasting methods for transportation impact assessments and master plans
- Interested in developing infrastructure designs and service plans that improve urban mobility
- Capable of using ArcGIS, Synchro, AutoCAD, Microsoft Office suite, macros, and VBA / VB.NET
- Self-motivated team worker that is able to learn and adapt in fast-paced environments
- Effective verbal and written communicator with demonstrated leadership ability

### EDUCATION

- University of Waterloo | Waterloo, Ontario
- Candidate for Master of Applied Science in Civil Engineering and Planning** Sep 2013 – present  
▪ Thesis: “Modelling Household Interactions in Travel Demand Decisions” (anticipated Sep. 2015)  
▪ Advisor: Dr. Jeffrey M. Casello, P.E.
- Honours Bachelor of Applied Science in Civil Engineering** Sep. 2008 – Apr. 2013  
▪ Degree Awarded with Distinction on Dean’s Honours List

### ACADEMIC EXPERIENCE

- University of Waterloo | Waterloo, Ontario
- Research Assistant – Waterloo Public Transportation Initiative** Sep. 2013 – present  
May 2010 – Dec. 2011
- Reviews literature for the representation of behaviour in mode choice models and the integration of land use and transport models
  - Analyzes household survey and cycling data for transport models
  - Assesses best practices for transit planning and economics
- Course Coordinator – ENVS 178 Environmental Research Methods** Jan. 2015 – present
- Manages a team of 11 teaching assistants to deliver weekly tutorials grade assignments on statistics for a cohort of 500+ students
  - Develops tutorial examples and examination questions for course
- Course Assistant – CIVE 444 Urban Transportation Planning** May 2014 – Aug. 2014
- Delivered weekly tutorials on the four-step travel forecasting process
  - Met with students as requested to provide additional assistance
  - Graded assignments for a class of 25 students

### PROFESSIONAL EXPERIENCE

- MMM Group Limited | **Student Designer, Transportation Planning** Thornhill, Ontario
- Conducted field investigations, evaluated route alternatives, developed functional designs, prepared public consultation materials, and supported written documentation of transportation master plans and cycling infrastructure feasibility assessments Jun. 2013 – Aug. 2013
  - Collected traffic data, analyzed transportation network operations, prepared graphics, and supported written documentation for traffic impact studies of proposed land developments Sep. 2012 – Dec. 2012
  - Summarized best practices and supported the technical writing of the design chapters for two Ontario cycling design manuals May 2011 – Aug. 2011
  - Jan. 2010 – Apr. 2010

City of Ottawa | **Engineering Assistant, Rail Implementation Office**

- Reviewed outputs of the regional travel demand model and assessed the impact of light rail transit construction on the City's road network
- Evaluated alternatives for transit, active transportation, and traffic management initiatives to mitigate travel impacts of construction
- Conceptualized a strategy to monitor the City's traffic conditions during the construction of light rail transit

Ottawa, Ontario  
Jan. 2012 – Apr. 2012

Metrolinx | **Program Assistant, Smart Commute**

- Coordinated with organizational stakeholders to provide regional transportation demand management services
- Analyzed employee travel patterns to determine service opportunities for GO Transit
- Researched and evaluated content management system alternatives for Smart Commute resources

Toronto, Ontario  
Sep. 2010 – Dec. 2010

City of Hamilton | **Assistant Transportation Planner**

- Researched and documented best practices for transportation master plans, rapid transit and transit-oriented development
- Collaborated with local organizations to implement transportation demand management and municipal secure bicycle parking programs

Hamilton, Ontario  
May 2009 – Aug. 2009

## SELECTED PUBLICATIONS AND PRESENTATIONS

Casello, J., Lewis, G., Yeung, K. and D. Santiago-Rodriguez. "A Transit Technology Selection Model"

Dec. 2014

- Published in the Journal of Public Transportation, Vol. 17, No. 4

Casello, J. and K. Yeung. "Global Transit Investments and Ridership"

Sep. 2014

- Technical report comparing American and Canadian transit systems

Yeung, K. "The Role of Complete Streets"

Mar. 2012

- Presented to the Canadian Institute of Transportation Engineers – National Capital Region Chapter

Casello, J., Rewa, K., Yeung, K., and P. Zylberblat. "Evaluation of Cyclists and Cycling in the Region of Waterloo"

Dec. 2011

- Technical report submitted to the Regional Municipality of Waterloo

Yelda, S. and K. Yeung. "Transit: Past, Present and Future."

Nov. 2011

- Presented at the Canadian Urban Transit Association Fall Conference

## RECENT AWARDS

NSERC Alexander Graham Bell Canada Graduate Scholarship

Sep. 2013 – Aug. 2014

Canadian Urban Transit Association Youth Scholarship

May 2012 – Apr. 2013

Canadian Institute of Transportation Engineers Undergraduate Award

May 2012 – Apr. 2013

## PROFESSIONAL AFFILIATIONS

Professional Engineers Ontario | **Engineer-in-Training (EIT)**

Nov. 2013 – present

Ontario Professional Planners Institute | **Student Member**

Dec. 2013 – present

Institute of Transportation Engineers | **Student Chapter Executive**

Sep. 2012 – present

University of Waterloo Association of Graduate Planners | **Co-President**

Jan. 2014 – Dec. 2014