

Iliya Nemtsov, EIT, M.A.Sc.

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Dear hiring manager at 30 Forensic Engineering,

As a young and motivated individual who has recently earned his post-graduate degree in Transportation Engineering, I am extremely eager to start my career and beginning my professional development. The Transportation Engineer position is looking for a detail oriented individual that is committed to serving clients in clear, concise, efficient and professional manner. All these characteristics would apply to me.

As stated in my resume, I had completed my Bachelor's in Civil Engineering at Ryerson University and right after I completed my M.A.Sc. graduate degree in transportation engineering. Under the co-supervision of Dr. Bhagwant Persaud and Dr. Arnold Yuan, I examined pavement condition and safety performance of Ontario highway pavements. My thesis was heavily focused on road safety the goal was to develop safety performance indicators that would not only help in improving driver safety but would also allow the Ministry of Transportation, Ontario, to make risk-informed pavement management decisions. Meanwhile, I have continued to polish my writing, presentation, and analysis skills. In my six years at Ryerson University, I participated in multiple team-based projects both as a member and at times as a leader; some transportation-related projects are indicated on my resume. My work approach is to keep flexible, prioritize workflow and to keep current in my professional capacity.

My supervisors have commented on my result-oriented mindset and commitment to quality. They can be contacted to provide more information about my ability to be a good fit for 30FE. I appreciate your time to consider my resume and hope for a chance to meet you to further discuss potential opportunities. I can always be contacted per the details provided above.

Sincerely,

Iliya Nemtsov

Iliya Nemtsov, M.A.Sc., EIT

iliya.nemtsov@gmail.com ■ (647)-624-3974

Entry Level Transportation Engineer

A detail oriented, self-motivated and result-oriented post-graduate Transportation Engineer. Firm background in road safety with working knowledge of road safety and transportation engineering concepts.

Competencies and Attributes

- Knowledge of prevailing transportation guidelines, standards and regulations
- Working knowledge of Synchro
- Proficient in learning new computer applications
- Excellent communication skills, oral and written including technical wiring
- Flexible, self-motivated
- High capacity for learning
- Capable to work independently and in a team

Engineering Related Academic Experience

MTO Highway Safety Project on Pavement Condition Assessment and Safety Impact

Sept. 2016 –

M.A.Sc. Thesis under supervision of Dr. Bhagwant Persaud and Dr. Arnold Yuan

May 2018

- Developed extensive analysis database using SAS programming
- Developed crash modification factors using Empirical Bayes before-after methodology and cross-sectional Analysis to for improving road surface condition through pavement maintenance

MTO Highway Pavement Management Project on Local Calibration

May 2017 – July 2017

M.A.Sc. research preparatory work under the supervision of Dr. Arnold Yuan

- Conducted sensitivity analysis of the reflection cracking model
- Identified the effect local calibration on pavement design for Ontario
- Research accepted for presentation at the 2018 Transportation Research Board Annual Meeting and publication in Transportation Research Record. <https://doi.org/10.1177/0361198118759013>

GIS Analysis Team Leader

Jan. 2017– April 2017

CV 8505 – GIS for Civil Engineering, Major Project

- Directed the team to examine the adequacy of purposed Mobility Hub locations in the GTA using ArcGIS
- Used Metrolinx guidelines for mobility hub locations to identify data requirements and develop analysis workflow for ArcGIS analysis

In-service Road Safety Review, Team Leader*Sept. 2017– Dec 2017*

CV 8400 –Road Safety, Group Project

- Evaluated the safety and operational concerns at the intersection of Dufferin Sr. and Bridgeland Ave./Yorkdale Rd.
- Set out recommendations to adjust operational and geometric configurations to improve vehicle and pedestrian safety as per TAC's In-service Road Safety Review guidelines

Team Leader, Capstone Project*Sept. 2015– April 2016*

Ryerson University, Undergraduate program requirement

- Worked with consulting client BA Group to develop a traffic impact study for the Milton Hospital Expansion
- Procured regional traffic counts, design guidelines and regional construction pricing
- Analyzed traffic impact using trip generation concepts and Synchro software
- Designed surrounding intersection alternatives and access points to incorporate seamless access and improve perimeter LOS

Education

Civil (Transportation) Engineering M.A.Sc.*Sept. 2016 – May 2018*

Ryerson University

- Supervisors: Dr. Bhagwant Persaud and Dr. Arnold Yuan
- Thesis title: Assessing Pavement Conditions and their Effects on Road Safety: Ontario Experience
- Graduate courses: Road Safety, Urban Transport Systems, Risk and Reliability for Engineering, GIS for Civil Engineering

Civil Engineering B.Eng.*Sept. 2012 – April. 2016*

Ryerson University

- Major in Transportation Engineering
- Transportation Engineering courses: Traffic Operations and Management, Highway Design, Transportation Planning, Transportation Engineering