

April 9, 2019

30 Forensic Engineering
Human Resources
Toronto, Ontario

Re: Transportation Engineer

To whom it may concern;

My name is Zackery Misketis and I am a fourth year Civil Engineering student enrolled in the Transportation Stream at Ryerson University, graduating in April 2019. I am very interested in joining your Transportation Engineering team. My educational background along with my experience in civil/transportation engineering theories and technologies is relevant to this position and will be an asset to your company.

As shown in my attached resume, my educational background and work experience as a Transportation Co-op Student at IBI Group has provided me with the knowledge and experience in many aspects of transportation fundamentals and design. This includes the analysis of intersection capacity, transportation impact studies, traffic modeling and engineering, geometric street design, construction requirements, traffic surveys, utility and telecommunication installation. I have also gained experience in preparing, reading and interpreting technical drawings, maps and plans. This has allowed me to work with the municipality during the planning and development process, utilize Ontario Traffic manuals, understand municipal by-laws and collaborate with all levels of staff, contractors and external clients in a respectful and courteous way. My computer application skills include AutoCAD, Synchro™/SIMTraffic, HCS7, InterCalc (CCG), Microsoft Word, Microsoft Office, Excel, and PowerPoint, GIS and MicroStation. I also possess quick learning skills with new computer applications. Further, my experience at Enbridge Gas Distribution has provided me with a strong safety culture, including familiarity with relevant aspects of the Occupational Health and Safety Act and training in WHMIS, First Aid and Health and Safety Awareness.

I am excited to pursue a career with 30 Forensic Engineering and join the Transportation Engineering team where I can utilize my skills and experienced gained at IBI Group, Enbridge and throughout my four years at Ryerson. I am dependable, a fast learner, able to effectively work independently or in a team environment and able to effectively organize, plan and carry out tasks to meet deadlines. I possess excellent analytical, interpersonal, oral and written communication skills and hold a valid Ontario Class "G" Driver's License with access to a vehicle.

I believe that I have the necessary skills, knowledge and hard work ethic required to be a successful and valuable employee at 30 Forensic Engineering. I am available for an interview at your convenience. You can contact my cell phone at (416) 578-2307 or my email, zackmisketis@gmail.com. I look forward to hearing from you. I have attached my resume with further details.

Appreciating your consideration;



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EMPLOYMENT/PROFESSIONAL WORK EXPERIENCE

Transportation Co-op Student: IBI Group

May 2018 – Sept 2018

Created and designed traffic signals and underground utilities of multiple intersections for agencies across Ontario and provided engineering support, including review of drawings, specifications and responding to technical requests for information from contractors. This also included creating drawings and wiring diagrams in AutoCAD/Civil 3D and MicroStation for agencies across Ontario using multiple transportation manuals such as TAC and OTM Book 12 and traffic specifications for Halton Region to ultimately satisfy safe practices and AODA compliance.

Utility Hand: Enbridge Gas Distribution

May 2017 – Sept 2017

Assisted in maintaining a safe working environment by completing building maintenance requests, building and floor inspections, and routine repairs to equipment and building systems. Reviewed and followed floor plan specifications and company procedures to complete utility tasks. Managed customer complaints and resolved issues in a professional and timely manner.

Court Monitor: Sky Zone Indoor Trampoline Park

Summers of 2015 & 2016

Monitored customers to ensure they abided by the rules, regulations and safety guidelines.
Provided medical and First Aid response to injured customers.
Provided instructions to customers as needed and ensured moral was high.

EDUCATION

Ryerson University

2015 – Current
(4th Year)

- *Bachelor of Engineering in Civil Engineering (Transportation Stream)*
- 2017-2018 Dean's List

Relevant Courses

Traffic Operations, Transportation Planning, Transportation Engineering, Highway Materials, Highway Design, Fluid Mechanics/Hydraulics, Geospatial Information Systems, Introduction to Structural Design, Strength of Materials, and Concrete Materials.

Relevant Projects

May 2018 – Present

Transportation Assessment/Traffic Impact Study: The completion of a transportation assessment/Traffic Impact Study for a proposed mixed-use development in the year 2031 that accommodates 8000 citizens in the town of Caledon using Synchro 8/SIM Traffic and HCS7 software.

401 Expansion (P3): Designed technical traffic signal drawings and provided quantity take offs to contractors working with IBI for a large highway expansion project crossing many municipalities and regions. Also, utilized critical thinking aspects to establish the “project signals” mentioned in RFP’s to mitigate all risk items.

Halton Region (IFC): Designed technical traffic signal drawings on AutoCAD for a newly proposed intersection which originally used OPSD but changed to Halton Region specifications.

Region of Waterloo: Upgraded technical traffic signal design drawings on AutoCAD for a local intersection with new hydro alignments in a condensed urban area.

Region of Peel: Designed temporary technical traffic signal design drawings to avoid watermain construction using MicroStation software.

APPLICABLE SKILLS AND CERTIFICATIONS

Computer Software Skills:

Synchro™/SIM Traffic, AutoCAD/Civil 3D, HCS7, InterCalc (CCG), ArcMap (ArcGIS), MicroStation, MatLab, ERDAS Imagine, Microsoft Word, Excel, PowerPoint and Project.

Certificates and Training:

Valid Ontario “G” Driver’s License, WHMIS, First Aid Training, Certificate for Health and Safety Awareness-Ryerson

Workplace Skills:

- Dependable, responsible, hardworking, dedicated and highly motivated
- Excellent oral and written communication skills
- Very attentive to details
- Highly organized with effective planning, prioritization and multi-tasking abilities
- Dynamic team player with the ability to work well independently and with others
- Strong analytical, documentation and problem-solving skills
- Strong safety culture

EXTRA-CIRCULAR ACTIVITIES

Design Project – October 13, 2017 to November 6, 2017:

Assisted a team of 4th year Ryerson students on a project to design and build a toboggan comprised of a concrete running surface which can safely carry five passengers. Assisted with creating the theme of the toboggan and gathering materials for the technology display.

Design Project – January 25, 2018 to May 10, 2018:

Assisted a team of 4th year Ryerson students on a project to design and built a concrete canoe weighing less than 160 kg that can float when completely filled with water. Assisted in the design and fabrication of the inside mold of the canoe made of Styrofoam.

VOLUNTEER EXPERIENCE

- Referee at Teacher/Staff Volleyball Tournament (TDESAA) at Monarch Park Collegiate (Supervisor: Kent Yee)
- Supervision for GA Brown Fun Fair (Supervisor: Diana Fearon)
- Supervision for Triathlon at Birchmount High (Supervisor: Steve Pugh - GA Brown Teacher)
- Supervision for Scotia Bank Waterfront Marathon (Supervisor: Ida Jagark)

INTERESTS & ACTIVITIES

Hobbies: Tennis, Ice Hockey, Volleyball, Baseball, Guitar, Mountain Biking

References available upon request