

EDUCATION

- **Masters of Civil Engineering** May 2014
Dalhousie University *Halifax, NS*
- **Bachelor of Civil Engineering** May 2012
Dalhousie University *Halifax, NS*
- **Diploma in Engineering** October 2010
Dalhousie University *Halifax, NS*

**WORK
EXPERIENCE**

- Water Resources Engineer (Design E.I.T.)** May 2018 – July 2018
MGM Consulting Ltd. *Milton, ON*
- Assisting in analysing surveys and site plans sent by clients in preparation for stormwater management design using Autocad (Removals Plan, Erosion & Sediment Control, Grading, and Servicing detailed drawings).
 - Reviewing comments on drawings received by municipalities and preparing response letters and site plan approvals with any corrections required.
 - Assisting with drainage studies, storm water management reports and detailed design of sewers (sanitary, storm, and water services).
 - Assisting in completing detailed storm water management calculations such as water balance and demand, fire flow, sanitary flow, and drainage areas while ensuring the relevant municipal standard requirements are being met.
- Geotechnical Engineer-in-Training** Sept. 2015 – Feb. 2016
WSP Canada Inc. *Edmonton, AB*
- Geotechnical Investigations – Performed geotechnical drilling, density testing, soil classification, slope stability site reconnaissance, concrete testing.
 - Materials Testing – Performed laboratory tests including proctor, atterberg limits, sieve analysis, sulphate tests & moisture content.
 - Assisted project manager in project planning, proposal writing and planning, often including methodologies, site condition analysis & designs (using gINT software), and performed Alberta-One calls for utility checks.
 - Health & Safety Officer for WSP Canada Inc., Edmonton Area.
- Soil Mechanics Teaching Assistant** Sept. - Dec. 2013
Geomatics Teaching Assistant Sept. - Dec. 2012
Dalhousie University *Halifax, NS*
- Led laboratory exercises & prepared surveying equipment for the students.
 - Scheduled & maintained regular office hours to meet with the students.
 - Assisted students throughout their field tests.
 - Evaluated undergraduate assignments, laboratory reports & midterms.
 - Invigilated mid-terms & final exams.
- Student Research Assistant** May- Aug. 2011
Dalhousie University *Halifax, NS*
- Provided assistance to Dr. Barnes in analyzing non-destructive testing.
 - Analyzed data from two different projects involving condition evaluation of reinforced concrete bridge decks.
 - Examined the recycling of deteriorated asphalt concrete pavements.
 - Created Excel files for graphical analysis results.
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PROFESSIONAL DEVELOPMENT	Training Certificates <ul style="list-style-type: none"> Autodesk Autocad 2D 2017 Certificate of Completion. Jan. 2018 Workplace Hazardous Materials Information System (WHMIS). Sept. 2015 Post Behaviour Based Safety (BBS). Sept. 2015 Transportation of Dangerous Goods (TDG). Sept. 2015
PROJECT WORK	<p>Soil Profile Analysis 2015 WSP Canada Inc. Edmonton, AB</p> <ul style="list-style-type: none"> Site Location: Parking Lot at Woodgrove Apartments, Spruce Grove, AB. Client: Gateway Property Management. Project Summary: A geotechnical assessment carried out for repair over existing parking lot. Role: Junior Geotechnical Engineer (Onsite drilling, laboratory testing, borehole logs gINT software, report writing assistance). Performed drilling, analysing soil samples, proctors, moisture content & sulphate testing. <p>Examining the use of Geotextile Tubes/ Geotubes (MEng Project) May- Dec. 2013 Dalhousie University Halifax, NS</p> <ul style="list-style-type: none"> Analyzed the wastewater at Little Pockwock Lake (Halifax, NS) with the help of Halifax Water & performed tests in the water laboratory to test the effectiveness of the geotextile tubes/geotubes. Researched a novel water filtration technique using “geotextile tubes” to assess its ability to retain Aluminum & wrote a paper. Published & presented my work at the 2014 Canadian Society of Civil Engineers (CSCE) Annual Conference under a paper titled ‘Examining the Use of Geotubes for Removing Aluminum in Water Treatment Backwash Water’. <p>Senior Design Project- Coffee Shop Development on a Contaminated Site Sept. ‘11- April ‘12 Dalhousie University Halifax, NS</p> <ul style="list-style-type: none"> Analyzed a contaminate site & designed soil remediation solutions prior to the construction of a coffee shop. The design took into account adjacent property, water runoff problems, cost & time to remediation. Took leadership to design & deliver projects on time & within cost limits. The final project was put into a professional technical report & presented to civil engineering faculty & students.
SKILLS SUMMARY	<p>Technical</p> <ul style="list-style-type: none"> Excellent knowledge of Autocad and drafting. Excellent knowledge of gINT geotechnical software for soil profile study. Outstanding Microsoft Office: Word, Excel, PowerPoint, Outlook. <p>Non- Technical</p> <ul style="list-style-type: none"> Fast learner with excellent oral & written communication skills. Strong project organization & time management. Confident & sociable personality with strong leadership skills. Work proficiently within a team & individually.
REFERENCES	Available upon request.