

# Mohammed Alsweerky, B. Eng., E.I.T

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## HIGHLIGHTS OF QUALIFICATIONS

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- **Self-motivated Bachelor of Engineering - Civil graduate looking to secure a full-time position in the Geotechnical Engineering field.**
- Experience in field work related to infrastructure projects ensuring safety and quality of deliverables.
- Strong interest in Geotechnical work including Engineered fills and Land Servicing.
- Demonstrate exceptional Analytical and problem-solving skills giving attention to detail.
- Demonstrate excellent written and verbal communication, administration and organizational skills.
- Ability to work effectively in a team environment and independently with minimal supervision.

## EDUCATION

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**Bachelor of Engineering, Civil**  
Carleton University, Ottawa, ON

September 2013 – June 2017

- Graduated with a Deans' Honor List 2016-2017 distinction

## CERTIFICATIONS/LICENSES

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- A registered Engineer in Training (EIT) by Professional Engineers Ontario (PEO), **License #100515465**
- Ontario Work Health and Safety Awareness
- Workplace Hazardous Materials Information System (WHMIS)
- Working at Heights

## WORK EXPERIENCE

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**Field Technician**  
Toronto Inspection Limited, Toronto, Canada

July 2018 – Current

- Responsible for performing on-site soil compaction tests to ensure quality of backfill.
- Perform on-site slump and air void test before concrete pouring to ensure quality of delivered concrete.
- Responsible for checking quality of asphalt and ensuring quality of compaction using Nuclear Gauge.
- Document results to site superintendents and engineers noting down anomalies and suggestions.
- Developed a strong understanding of soil behavior and infrastructure work like sanitary, storm, and watermain construction.
- Collect field samples and deliver to laboratories to compare field test results with optimum sample results obtained in laboratory.
- Performed thorough roof inspections that included checking roof membrane conditions.
- Developed a very good sense of interpreting project drawings and assigning references to field reports.
- Developed a strong understanding of construction materials and conditions of using each.

**References Available Upon Request**

**Field Inspector (six-month internship)**

Dec 2017 – May 2018

Advanced Research Associates, Toronto, Canada

- Worked on a City of Toronto Utility Cut Backlog project with a team of twenty field inspectors.
- Responsible for visiting multiple cuts daily and assessing the damage caused to City's infrastructure by utility companies.
- Assessments include: roads filling and sealing or reconstruction, sidewalk rehabilitation, and area redevelopments.
- Developed an understanding of available roads and sidewalks rehabilitation methods and made sure the assessments were **constructible solutions**.
- Assured **quality of repair** met the City's standard specifications TS4.60 and TS4.70.
- Gained a strong **field work experience** that included measuring excavation limits of road cuts, pavement distresses and noting anomalies.
- Ensured field work was not affected by traffic when present by prioritizing **field safety procedures**.

**WESTBORO DREAM COMPLEX (2016-2017)**

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- A \$15 million 6-storey high concrete condominium building to be built in Westboro neighborhood in Ottawa
- **Main contributions:** Estimating the cost of the building, suggested alternatives for the building by considering material selection, location of the building, and social and environmental factors of each, designing columns, two-way slabs and beams according to CSA A23.3-14, Supervised the design of the shear walls and foundation of the building

**RELEVANT PROJECTS**

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- Led a group of six to create a 15-minute technical PowerPoint **presentation** about the management of Concrete materials. Topics discussed: Purchase order, Approval process, Fabrication Process, Delivery Process, and Installation process. (86%) 4<sup>th</sup> Year (2016)

**SOFTWARE SKILLS**

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- **Software:** Experienced using Microsoft Word, Excel, Access, PowerPoint, Outlook, gINT, SLOPE/W, SEEP/W, ETABS, SAFE, SAP2000, MATLAB, and AutoCAD.

**TECHNICAL/LABORATORY ENGINEERING SKILLS**

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- **Concrete Testing:** Experienced through performing experiments, collecting and analyzing concrete samples, organizing analysis results and preparing reports, following safety precautions, performing statistical analysis.
- **Proctor Compaction Test:** Performed multiple Proctor compaction tests to find optimum density and optimum water content of samples collected from field.