

UGOCHUKWU NWABUEZE OBIAKO, MEng., EIT
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Tel: (519) 694 - 4275

March 24, 2018

Creighton Manning Engineering, LLP
2 Winners Circle, Suite 201
Albany, NY 12205

Re: Entry Level Engineer – Civil/Traffic/Transportation

Dear Human Resources Manager,

I came across this job advert on Creighton Manning Engineering Career Website and am interested in joining your team as an **Entry Level Engineer – Civil/Traffic/Transportation**. My 2+ years combined experience in municipal civil engineering including knowledge gained in highway engineering and roadway projects are part of the assets I will bring on. I can perform engineering analysis including impact studies and traffic studies required for road designs and assist Project Engineer and Project Manager in recommending appropriate course of action on transportation projects. With my strong written and oral communication skills, I'm confident that I can liaise professionally with clients and establish a good working relationship with colleagues and clients.

I achieved Master of Engineering degree in civil from the University of Western Ontario, participated in Leader's Project training at Ivey Business School in London, Ontario and willing to work as a Transportation Designer at your company.

Acquired **Permanent Residence (PR) in Canada** on February 21, 2018 through Canadian Experience Class and want to work full-time for your company. I also have a valid **Class "G" Ontario Driver's license** and personal vehicle for work related travels. I'm willing to relocate to New York.

Thank you for giving me the opportunity to present my resume and qualifications to you. Looking forward to reading from you.

Sincerely,

Ugochukwu

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Entry Level Engineer – Civil/Traffic/Transportation

PROFESSIONAL PROFILE

Civil Engineering Graduate with 2+ years combined experience in municipal civil engineering projects and construction administration for highway rehabilitation. Interest in designs and proven experience in municipal roadway development projects; geotechnical site investigations, field construction inspections, road construction and highway engineering designs including as-built analysis of pavement structures and asphalt material mix through Full-Marshall Test. Solid understanding of regulations and standards applicable in site grading and drainage infrastructures such as watermains, storm and sanitary sewer systems. Academic knowledge in highway engineering designs; project management and civil engineering measurements. Strong ability to present reports, write and communicate professionally with various project stakeholders. Acquired Master of Engineering Degree (MEng.) in Civil from the University of Western Ontario, Permanent Residence (PR) in Canada and achieved Leader's Project Certification from Ivey Business School.

Computer proficiency in MS Office, Presentations, ArcGIS, Spreadsheets and AutoCAD Civil 3D

Field Technician

Sept 2016 – Present

Soil Engineers Ltd., Mississauga Ontario
Consulting Engineers Firm

Major Projects:

Municipal Road Construction, City of Brampton: Scope of work include carrying out pavement structure analysis and as-built designs for granular base course, subgrade, base and wearing course on Williams Parkway; and on Veteran Drive all within the City of Brampton, Region of Peel in Greater Toronto Area.

Alloa Green Site Grading/Land Development Project, City of Brampton: Installation of watermains, storm and sanitary sewer installation in accordance with the Region of Peel and City of Brampton Specifications and Standards such as OPSS and OPSD.

Responsibilities: -

- Assists Project Manager and Engineers in preparing technical construction reports.
- Reviewed site grading plans to ensure that contractors follow design specifications.
- Monitors and measured the quality of asphalt mix used on roadway under construction.
- Completes pavement structure analysis, data computation and calculations using Spreadsheets.
- Sampled hot laid asphalts for Full-Marshall Test according to City of Brampton requirements.
- Participated in weekly pre-construction meetings with consultants, City Reps and contractors.
- Evaluated subgrades and asphalt compactions to ensure compliance with design specifications.

- Oversee the installation of rigid storm sewers to ensure that line loads are well distributed over the top of pipes; inspected the installation of flexible pipes, (sanitary/watermains) to ensure that transmitted loads are evenly distributed across the embankment to reduce deflections.
- Undertakes pipe analysis/calculations to ascertain allowable amount of deflection required to prevent failures on watermains and sanitary sewer occurring due to over-deflections.
- Inspected building foundations including footings and tested concretes samples in the lab.
- Proof-rolled sub-grade and carried-out compaction test on backfilled material and asphalt.
- Performed engineering analysis and drafted field plans for geotechnical site investigations.
- Monitored borehole drillings investigations carried out by sub-contractors within GTA.

Civil Engineering Intern

June 2010 - Dec 2010

Ministry of Works Rivers State, Nigeria

Major Projects:

East-West Highway Construction Project: Participated half-way on the East-West Road Project which consists of the construction of second carriageway/dualization and the rehabilitation of the existing highway and drainage systems.

Responsibilities: -

- Used the Bill of Engineering Measurements and Evaluation (BEME) technique to estimate cost
- Reviewed various construction methods, assisted in preparing permits, liaised with vendors and contractors to ensure that designs conform with standards.
- Analysed route locations, review engineering drawings to ensure conformance with standards.
- Processed applications for approvals and reviewed survey plans and roadway design structures.
- Carried out on-site inspection on road under construction and monitors the work of contractors.
- Under the guidance of Senior Engineer assisted in evaluating/monitoring pavement conditions.
- Assisted in drafting recommendations for pavement design, rehabilitations and materials used.

EDUCATION

Master's Degree in Civil Engineering (MEng.)

May 2014 - June 2015

University of Western Ontario, London Ontario, Canada

Bachelor's Degree in Engineering (BEng.)

July 2007 - March 2012

(Civil & Environmental Engineering)

University of Port Harcourt, Rivers State, Nigeria

CERTIFICATIONS

Engineer-In-Training (EIT) with the Professional Engineers of Ontario.

Nov 2015 - Aug 2017

Leader's Project Trainee at Ivey Business School, London, Ontario, Canada.

Permanent Residence (PR) in Canada through Canadian Experience Class

Feb 21, 2018

Possess valid **Class "G" driver's license of Ontario.**