

30 Forensic Engineering,
40 University Avenue
Suite 800,
Toronto, ON M5J1T1
13th of September 2018.

73 Chapman Avenue,
East York, Toronto ON M4B1C6.

Dear Recruitment Officer,

APPLICATION FOR THE POSITION OF TRANSPORTATION ENGINEER

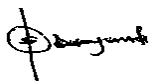
I wish to express my interest to be considered for the role of transportation engineer within your highly esteemed organization. I obtained a Bachelor and Master of Engineering degrees in years 2008 and 2012 respectively. At masters, I specialized in transportation engineering. Currently, I am rounding up and awaiting defense of my doctoral study in the same specialization.

I am familiar with conducting good research with practical implications. Over the course of studies, I have focused extensively on road safety. In the last study I worked on, I extended Data Driven Approach to Crimes and Traffic Safety technique, proposing scientific concept to prediction and identification of hotspot at zonal level. The deliverables obtained await deployment for simultaneously crimes and collision reduction.

I have working capabilities with microsimulation software such as VISSIM. Skills on the usage of this tool was demonstrated on traffic signal evaluation of intersections on selected corridors of highway 50 in Brampton, Ontario. Over the years, I have developed critical and analytical skills useful in planning, collection and analysis of transportation data for modelling purpose. Similarly, I am conversant with EMME transportation tool for travel demand and traffic impact assessment. Also, I have working knowledge of R language, SAS, AutoCAD, ArcGIS and familiar with different design manuals such as highway safety manual and locally available guides.

I consider joining your organization as opportunity to learn from technical expertise within your company and become a better forensic transportation safety professional. I will be glad if considered. Attached, is my resume for onward evaluation.

Yours Sincerely,



S. D. Oluwajana

SEUN DANIEL OLUWAJANA

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CAREER PROFILE

- Experienced working in transportation engineering industry with special focus on road constructions, coordinating contractors and sub-contractor; and technical report writing as per requirement
- Doctor of Philosophy (Ph.D.) degree in view with focus on transportation safety and community security; Master of Engineering; Bachelor of Engineering
- Grounded in conducting researches with practical implementation
- Skilled in collection of data: collision, roadway inventory, sociodemographic and crimes data for forensic investigations
- Traffic safety and collision data analyst, predictive modelling expert, spatial analyst, transit signal performance evaluator
- Software Proficiency: PVT VISSIM, INRO EMME, AutoCAD, ArcGIS, R and SAS statistical programming language
- Familiar with TransCAD, AIMSUN, SYNCHRO, Bentley InRoads
- Knowledgeable with the process of network screening and other hotspot identification techniques recommended by Highway Safety Manual (HSM)
- Open to learning company specifically used software and forensic investigation techniques
- Familiar with Highway Capacity Guide, Canadian Capacity guide, Ontario Traffic Manual, Manual of Uniform Traffic Control Devices, Geometric Design Guide for Canadian Roads
- Eligible for registration with Professional Engineers of Ontario (PEO) as Engineer in Training (EIT) upon defense of Doctor of Philosophy (Ph.D.) degree
- Excellent analytical skill with great interpersonal and technical report writing abilities.
- Highly passionate about transportation safety investigations

EMPLOYMENT HISTORY

Graduate Research and Teaching Assistant

Sept. 2016 – Aug. 2018

Lassonde School of Engineering, York University Toronto

As Research Assistant in the department of Civil Engineering reporting to Professors;

- Developed advance predictive models for crimes and collisions at zonal level
- Extended the concept of Data Driven Approach to Crime and Traffic Safety used for forensic investigation of areas of simultaneous high crimes and collision for enforcement prioritization
- Prepared technical reports and publications

As Teaching Assistant in the department of Civil Engineering;

- taught and assisted in grading of first and fourth year undergraduate related courses such as project management, effective engineering communication, renaissance engineering and civil engineering project design

Graduate Research and Teaching Assistant

Jan. 2014 – Aug. 2016

College of Engineering, University of Saskatchewan, Saskatoon

As Research Assistant in the department of Civil Engineering reporting to Professor and conducting research under Saskatchewan Center for Excellent in Transportation and Infrastructure (SCETI);

- Collected and conducted preliminary analysis of collision and crimes data

- Aggregated collisions, crimes, roadway inventory and land use information into traffic analysis zones
- Explored alternative ways for accurate transferring information between area units, minimizing error
- Prepared technical reports and presented findings to stakeholders

As Teaching Assistant in the department of Civil Engineering;

- taught and assisted in grading of second and third years undergraduate related classes such as project management, structural engineering and transportation engineering.

Civil Site Engineer

Oct. 2008 – Feb. 2009

Afro Stuff Nigeria Limited

Reported directly to the main contractor in construction of 400 housing units, roads and provision of water main; responsible for evaluating the progress made on projects;

- Communicated the requirement of project to sub-contractors
- Led the project team and the technical crew to ensure work is carried out according to specified objectives
- Planned workforce for activity involving main contractor
- Evaluated the quality of materials supplied by sub-contractors during construction
- Assessed project schedule as per contractor/sub-contractor performances

Site Engineer-in-Training

Sept. 2007 – Nov. 2007

Afram Engineering, Akure Nigeria

Reported directly to the Project Manager on the progress made during construction of rural roadway;

- Supervised in earthwork/embankment construction and tar coating of roads
- Ensured safety in construction particularly during lane closure

Industrial Intern/Trainee- Junior Site Engineer

Mar. 2007 – Sept. 2007

Inter-Rotech Nigeria Limited, Ikeja Lagos

Worked directly with the Project Manager, Civil Site Engineer and Land Surveyors in;

- Supervision of construction activities during roadway earthwork
- Coordination of concrete work during roadway drainage construction
- Provision of low-cost surfacing i.e. surface dressing of rural roadways

EDUCATIONAL QUALIFICATIONS

Doctor of Philosophy (in View), Transportation Engineering

Sept. 2016 – Present

York University, Toronto Canada

Doctor of Philosophy (Transferred), Transportation Engineering

Jan. 2014 – Aug. 2016

University of Saskatchewan, Saskatoon Canada

Master of Engineering (M.Eng.), Transportation Engineering

Jan. 2010 – June 2012

Federal University of Technology Akure, Nigeria

Bachelor of Engineering (B.Eng.) Civil Engineering

Nov. 2003 – Oct. 2008

Federal University of Technology Akure, Nigeria

PROFESSIONAL ASSOCIATIONS

Member of Institute of Transportation Engineers

Member of Young Professionals in Transportation