

SHUBHAM BOHRA, M.ENG., EIT

Master of Engineering in Civil Engineering

Ryerson University

Phone: (437)-981-0894

Email: shubham.bohra@ryerson.ca

SUMMARY OF QUALIFICATIONS

- Passionate about community development, governance and transportation planning to improve level of safety and traffic efficiency in communities
- Well versed with transportation engineering principles, practices and policies such as – Ontario Traffic Manual and The Highway Traffic Act
- Skilled in researching, analyzing, and summarizing information in the form of memos, letters and reports with recommendations on various topics
- Enthusiastic about project management and team building through activities such as managing priority deadlines and assisting in the preparation of reports and presentations to achieve goals.
- Strong set of technical competencies include AutoCAD, CADD, MicroStation, Synchro/SimTraffic, PTV VISSIM, QGIS, ESRI ArcGIS, Microsoft Office, as well as with some familiarity with, Highway Capacity software, MS Project
- Registered with Professional Engineers Ontario (PEO) as EIT (application under review)

EDUCATION

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

09/2017 – Present

Ryerson University, Toronto, Ontario

Directed studies: UBER pickup analysis for New York City

- Prepared a technical report regarding the analysis of New York City's Uber pick-up patterns through demographic statistical data visualization using Python and QGIS.

Relevant Courses

Travel Demand Forecasting, Traffic Operation & Management, Statistics, Transportation Planning, Urban Transport Systems Construction Project Management, Advanced Highway Design, Urban Satellite Remote Sensing

Bachelor of Technology – Civil Engineering

08/2012 – 05/2016

Rajasthan Technical University -Rajasthan, India

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WORK EXPERIENCE

Ryerson Research Assistant

09/2018 – Present

City of Toronto (Automated Vehicles Division) – Toronto, Ontario

- Spearheaded research initiatives on AVs in order to perform and provide technical analysis and recommendations to update the Ontario Traffic Manuals
- Created a VISSIM based traffic model for Automated vehicles under varying market penetration rates and traffic volume data from the City of Toronto to compare with current scenario
- Produced an AV technology road map for the City of Toronto highlighting the impacts of AV technology on Ontario Traffic Manual, the City of Toronto's infrastructure

Site Engineer

07/2016 – 08/2017

Jai Sai Developers – Rajasthan, India

- Prepared monthly and daily work breakdown structures for site activities and provided support to the Project Manager to ensure KPIs are met and to ensure timely delivery of milestone dates
- Performed site visits and produced weekly site reports while working with internal and external authorities, as required
- Performed cost of material estimations/quantity takeoffs and maintained a database documenting paid vs. outstanding invoices, agreements, building permits
- Reviewed as-built information against design drawings to identify non-conformances and undertook measures to rectify construction issues and non-conformances

Construction of 4 Lane Railway Over Bridge Civil Engineering Intern

04/2015 – 06/2015

Jodhpur Development Authority – Rajasthan, India

- Conducted quality inspections on materials on site and construction activities to ensure conformance to project requirements.
- Provided Computer Aided Design and Drafting (CADD) services for the municipal infrastructure projects and reported to council
- Respectfully enforced standards while working with subcontractors to ensure that the mandates of quality management plans were achieved on site

VOLUNTEER EXPERIENCE & MEMBERSHIPS

Student Organizer

06/2018

Intelligent Transportation Systems Society of Canada Conference – Niagara Falls, Ontario

- Institute of Transportation Engineers (ITE) 12/2017 – Present
- Young Professionals in Transportation (YPT) 07/2018 – Present