

# Dwight Schrute

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## HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 4 of the 4-year Civil Engineering co-op program at McMaster University
- Developed strong interpersonal skills while taking on a leadership role for various academic projects and extra-curricular competitions, including the Troitsky Bridge Competition
- Capable of reading and assessing engineering drawings obtained through the Engineering Project Management course
- Possesses excellent written and verbal communication skills that translate to team successes, such as working with multiple Rogers Communications departments to complete 30 flawless site audits

## EDUCATION

**Bachelor of Engineering, Civil Engineering**  
McMaster University, Hamilton ON

**Expected Completion, 2019**

- Achieved a cumulative grade-point average of 3.6 on a 4.0 scale
- Awarded the McMaster Entrance Scholarship for maintaining an average over 85% in high school

## EXPERIENCE

**Civil Engineering Specialist**  
Rogers Communications, Brampton ON

**May – August 2018**

- Created 50+ work orders for base station facilities, enclosures, power systems, environmental systems, antenna support systems and towers for the capital build program
- Reviewed and approved 30 site audits, and structural engineering drawings based on Rogers planning, Radio Engineering, Microwave & Equipment Engineering requirements
- Ensured base station infrastructure safety and compliance by creating and implementing a system for effectively tracking all applicable codes and standards

**Engineering Design Student**  
City of Hamilton, Public Works

**May – August 2017**

- Utilized teamwork skills while working within the design team of Engineering Services to assist with the delivery of Capital Infrastructure projects
- Prepared detailed engineering drawings of municipal linear projects including road resurfacings, water main constructions and the complete reconstruction and streetscaping of Hamilton's downtown area of Locke Street
- Developed technical and organizational skills by simultaneously working on 10 diverse engineering design projects

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## PROJECTS

### Bid Proposal Project

Fall 2017

- Collaborated with a team of 5 people to generate a bid proposal and work schedule for the construction of an enclosed parking structure
- Utilized a high level of attention to detail to assess engineering drawings of the parking structure to determine material takeoffs
- Adhered to a strict budget and milestone timeline by accurately estimating the cost of materials, labour, and services using RS Means Building Construction Cost Data; producing a work breakdown structure with all tasks; and formulating a project schedule in Microsoft Project to mark achieved milestones

### Concrete Mix – Design Project

Fall 2016

- Designed, casted, and cured concrete based on the CSA standards and specifications
- Conducted flexure, split cylinder, and compression tests to compare theoretical and experimental values
- Demonstrated leadership skills by consolidating and formatting a 90-page report that summarized the procedures and findings of the project

## SKILLS

- Spreadsheet & Data Analysis in Microsoft Excel
- Project Planning & Scheduling in Microsoft Project
- CAD Design using Microstation & Autodesk Civil 3D
- Structural Design using SAP2000
- Total Station Surveying
- Modelling & Simulation in EPANET2
- Technical Writing & Oral Presentation from case studies & reports
- WHMIS Trained
- Experience with various programming software such as Python, MATLAB, Minitab & Maple

## EXTRACURRICULAR ACTIVITIES

### Student Representative | McMaster Civil Engineering Society

2015 - Present

- Promoted various social events geared to creating connections between civil engineering students and faculty

### Student Participant | Troitsky Bridge Competition, McMaster University

2015 - Present

- Designed and built a bridge that was able to hold 900kg from popsicle sticks, white glue and dental floss, placing our team in 5<sup>th</sup> place in the 2016 competition

### Shooting Guard | McMaster Marauders Men's Basketball Team

2014 - Present

- Awarded McMaster Athlete of the Week January 29, 2018
- Achieved the second-highest point total in the 2017-18 season