

Paul Rudd

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Highlights of Qualifications

- 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

September 2020 - Present

McMaster University, Hamilton, ON

- Achieved a cumulative grade-point average of 3.6 on a 4.0 scale
- Awarded the McMaster Entrance Scholarship (\$1K) for maintaining a 85%+ average in high school

Experience

Civil Engineering Specialist

May – August 2020

Rogers Communications, Brampton, ON

- 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 and 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

May – August 2021

City of Hamilton, Public Works, Hamilton, ON

- Assisted graduate students in obtaining experimental data related to the flow inside of a scaled down CANDU calandria using a class IV PIV laser system
- Created and documented a comprehensive LabVIEW script for the calandria test section
- Established communication between different devices within the test section to obtain relevant data

Projects

Bid Proposal Project

Fall 2020

- Collaborated with a team of 6 people to generate a bid proposal and work schedule for the construction of an enclosed parking structure
- Assessed engineering drawings of the parking structure with strong attention to detail to determine material takeoffs

- Accurately estimated the cost of materials, labour and services us RS Means Building Construction Cost date to adhere to a strict (\$) budget and 8 week milestone timeline by producing a work breakdown structure and formulating a project schedule using Microsoft Project

Concrete Mix – Design Project

Fall 2021

- 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
- Consolidated and formatted a 90-page report summarizing the procedures and findings of the project demonstrating leadership, time management and attention to detail

Extracurricular Activities

Student Representative

Fall 2020 – Present

McMaster Civil Engineering Society

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

Student Participant

2020 – Present

Troitsky Bridge Competition, McMaster University

- Designed and built a bridge that was able to hold 900kg from popsicle sticks, white glue and dental floss, placing the team in 5th place in the 2021 competition

Shooting Guard

2020 – Present

McMaster Marauders Men's Basketball Team

- Awarded McMaster Athlete of the Week January 29, 2018
- Achieved the second-highest point total in the 2020-21 season

Skills

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| <ul style="list-style-type: none"> • Spreadsheet & Data Analysis in Microsoft Excel • Project Planning & Scheduling in Microsoft Project • CAD Design using MicroStation & Autodesk Civil 3D | <ul style="list-style-type: none"> • Structural Design using SAP2000 • Total Station Surveying • Modelling & Simulation in EPANET2 | <ul style="list-style-type: none"> • Technical writing & Oral Presentation from case studies & reports • WHIMIS Trained |
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