

Daniel Park
Former Structural Engineer, Prospective Data Analyst

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Skills

- Programming: Python
- Analytics: SQL, Excel, Tableau

Projects

Toronto Traffic Accident Analysis

- Analyzed KSI dataset from Toronto Police Open Data Portal using SQL queries
- Visualized data with Tableau and presented key findings on [Google Slides](#), posted on [github](#)

Experience

Blackwell - Structural Designer Engineer-In-Training

May 2023 - November 2023

Toronto, ON

- Reduced project startup and handoff time by 30 minutes per project by developing internal documentation templates
- Learned design software (RISA 3D, Woodworks, Bluebeam) to a professional level within 1 month
- Analyzed and designed structures, communicated with clients and stakeholders, provided detailed calculation reports and field review reports

Quinn Dressel Associates - Structural Designer Engineer-In-Training

May 2020 - May 2023

Toronto, ON

- Created a script that automatically converted a CAD drawing to create concrete slab designs in SAFE; reducing slab design time by approximately 25 minutes per floor for simple floor designs, and approximately 2 hours per floor for complicated floor designs
- Lead design engineer for smaller scale residential and industrial projects from start to construction completion; managed co-op student design for several projects
- Analyzed and designed structures, communicating with clients and stakeholders, provided detailed calculation reports and field review reports

Walters Group - Project Coordinator Co-op

September 2018 - September 2019

Hamilton, ON

- Took ownership of an internal project that decreased up to 30% of lost man-hours within the "time and material" tracking process for CIBC Square Project
- End-to-end involvement with projects; maintained contact with clients from initial planning to project completion
- Managed several projects and coordinated project updates to stakeholders using MS Project and Excel; steel procurement, fabrication status, shipment status, steel field erection progress, and project budget

McMaster Department of Civil Engineering - Research Assistant

April 2018 - August 2018

Hamilton, ON

- Conducted multiple lab tests to evaluate the rheological properties of carbon-fiber enhanced bentonite-based grout, and analyzed lab data to find correlations and statistical significance for optimal mixes

Education and Certifications

McMaster University - B.Eng in Civil Engineering

September 2015 - April 2020

Hamilton, ON

GPA: 3.7

- Relevant courses: Probability and Statistics for Civil Engineering, Engineering Economics and Project Management, Computer Applications in Civil Engineering, Intro to Microeconomics, Engineering Computation

Udemy

- The Complete SQL Bootcamp: From Zero to Hero
- The Complete Python Bootcamp: From Zero to Hero
- The Complete Tableau Bootcamp for Data Visualization