




THOMAS YING

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QUALIFICATIONS

- Strong technical writing and presentation abilities
- Basic familiarity with design of steel, concrete, and timber structures, and highway bridges
- Proficient in Microsoft Office suite, including strong abilities in Excel
- G Driver's license, with access to vehicle
- Excellent time management and multitasking abilities
- Highly adaptable and a quick learner
- Effective interpersonal communication and conflict resolution skills
- Working knowledge of SAP2000, Bluebeam Revu, AutoCAD, Civil 3D, and ArcGIS



EXPERIENCE

Structural Engineering Assistant | Milman & Associates Ltd.

January 2023 – April 2023

- Assessed capacity of existing steel, concrete, and timber structural systems to accommodate significant renovations and temporary construction loads
- Designed small-scale repairs and reinforcement for steel and concrete structures

Bridge Engineering Technician | Doug Dixon & Associates Inc.

May 2022 – August 2022

- Co-wrote pre-design reports and memoranda for bridge rehabilitations and inspections
- Performed design calculations and checks for bridges, retaining walls, and other structures in accordance with CSA design standards
- Reviewed as-built drawings to ensure compliance with OPSDs
- Completed quantity take-offs and cost estimations for bridge rehabilitations
- Proposed traffic control plans for Don Valley Parkway and nearby arterial roads to facilitate temporary and long-term lane closures



ACTIVITIES

Steel Bridge Design Team | University of Waterloo

September 2019 – Present

- Led design, structural analysis, and optimization of a 24' steel bridge using Excel and SAP2000
- Co-captained team to 4th place finish in 2023 Canadian National Steel Bridge Competition



EDUCATION

Candidate for BAsC, Civil Engineering | University of Waterloo

September 2019 – April 2024