

# THOMAS YING

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## SKILLS AND QUALIFICATIONS

- Basic proficiency in Civil 3D and AutoCAD 2021
- Working knowledge of Microsoft Office suite  
MATLAB
- Experience in land surveying with auto level and total station
- Capable of writing technical documents and conceptual design reports

## PROJECTS

JANUARY 2020 – APRIL 2020

**EARTHEN DIKE CONCEPTUAL DESIGN REPORT**, EARTH ENGINEERING COURSE

MICROSOFT WORD, MICROSOFT EXCEL, AUTOCAD

- Designed earthen dike to suit real-world site conditions, soil properties, and provided flood scenario in accordance with international construction standards
- Determined material, equipment, and labour costs to estimate final design cost

OCTOBER 2019 – DECEMBER 2019

**CULVERT CONCEPTUAL DESIGN REPORT**, CIVIL ENGINEERING CONCEPTS COURSE

CIVIL 3D, SURVEYING, MICROSOFT WORD, MICROSOFT EXCEL

- Conducted capacity analysis with Excel to determine configuration of pre-cast concrete culvert
- Generated topographic plans with site inventory and surveyed data in Civil 3D

## EXPERIENCE

MAY 2020 – AUGUST 2020

**PERSONAL SHOPPER**, LOBLAW COMPANIES LIMITED

- Implemented time-saving strategies to boost personal efficiency metrics 11% beyond set targets

AUGUST 2017, AUGUST 2018

**CAMP VOLUNTEER**, FUTURE POSSIBILITIES FOR KIDS SUMMER CAMP

## EDUCATION

SEPTEMBER 2019 – APRIL 2024 (EXPECTED)

**CANDIDATE FOR BASc, CIVIL ENGINEERING**, UNIVERSITY OF WATERLOO

## OTHER

OCTOBER 2020

**AUTODESK CIVIL 3D 2021 ESSENTIAL TRAINING COURSE**, LINKEDIN LEARNING

**SEPTEMBER 2019 – PRESENT**

**STEEL BRIDGE DESIGN TEAM MEMBER,** UNIVERSITY OF WATERLOO

- Fabricated steel members with bandsaw and drill press to construct model steel bridge for the Canadian National Steel Bridge Competition