

# THOMAS YING

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## SKILLS

- Basic knowledge of AutoCAD and Civil 3D 2021
- Microsoft Office (Word, Excel)
- MATLAB
- Technical report writing
- Surveying with auto level and total station

## 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

- Stopped arguments between campers with conflict resolution strategies to avoid escalation to camp leaders

## EDUCATION

SEPTEMBER 2019 – PRESENT

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

## **OTHER**

**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