

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