

Maisie Fichuk

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ENGINEERING SKILLS

- Experienced in AutoCAD, SAP 2000, MATLAB, Primavera P6, and MS Project, Excel, Office, Visio
- Knowledgeable in Concrete and Steel Design, Geotechnical Engineering, Structural Dynamics, Transportation, and Wind Engineering
- Trained in Plane Surveying and Working at Heights Certified

EDUCATION

Western University, *London ON* — B.E.Sc. in Civil/Structural Engineering with Professional Internship

SEPTEMBER 2014 - APRIL 2019

EXPERIENCE

Ontario Power Generation

Project Engineering Intern — *Darlington Nuclear Refurbishment, Clarington, ON*

MAY 2017 - AUGUST 2018

- Proposed scope recommendations for future refurbishment units resulting in \$10M project savings
- Performed forensic engineering investigation to determine cause of design failure during commissioning, prepared subsequent package for management and legal dispute resolution process
- Coordinated with external contractors to schedule and complete work, performed field oversight of construction progress, and made schedule advancement recommendations
- Evaluated vendor invoices, change notices, and initiated change authorizations while maintaining control of project costs as per the business case

T.B.T. Engineering Consulting Group

Engineering Technician — *Noden Causeway Rehabilitation, Fort Frances, ON*

MAY 2016 - AUGUST 2016

- Inspected deteriorating concrete visually and through non-destructive field testing to identify areas requiring removal and replacement
- Performed oversight on concrete removals, abrasive sand blasting, reinforcement, and replacement to assure conformance of construction works with contract and engineering design
- Prepared contract administration paperwork including daily logs and photographic records

INVOLVEMENT

Western Engineering Toboggan Team

Concrete Leader (2018-19), Mix Night Leader (2016-17), General Member (2015-16) — *London, ON*

- Designed and tested lightweight and sustainable engineered cementitious composite concrete mixes to determine most suitable mix for concrete toboggan ski application
- Managed material procurement and trained members of concrete team on safe concrete mixing and testing practices
- Designed all other aspects of skis for competition including ski reinforcement, profiles, and connections to toboggan

Western Engineering Career Services

Career Mentor (2018-19) — *London, ON*

- Communicated benefits of participating in engineering career related initiatives such as internship and co-op to undergraduate students