

## PROFILE

A creative and enthusiastic master's graduate keen on finding innovative solutions to engineering problems. Eager to join a diverse company to apply and further develop my strong communication, attention to detail and willingness to collaborate.

## SKILLS AND ABILITIES

### Technical Skills and Abilities

- Linear and non-linear finite element analysis (ANSYS)
- Computed Aided Design (*Solid Edge, NX*)
- Micro-computed tomography imaging
- Material testing devices (i.e. Charpy impact, Instron tensile testing devices)
- *MATLAB*
- *Fortran*
- *MS Office, Visual Studio*

### Professional Skills and Abilities

- Written and oral communication & presentation
- Fluent in French, basic knowledge of German
- Initiative and leadership
- Effective teamwork and independent working abilities (undergraduate capstone project, graduate thesis)
- Engineering design project experience
- Project management

## EDUCATION

### Master of Applied Science

Queen's University  
09/2017 – 08/2019

#### *Mechanical & Materials Engineering (Honours)*

- 4.3 GPA (A+)
- Thesis research on mechanical testing of trabecular bone tissue.

### Bachelor of Applied Science

Queen's University  
09/2013 – 04/2017

#### *Mechanical Engineering, Materials Option (Honours)*

- 2016 ASM Ottawa Valley Chapter Student Award Winner (Materials Science)

## EMPLOYMENT EXPERIENCE

### Teaching Assistant

Queen's University  
09/2017 – 04/2019

- Instructed and supervised undergraduate laboratory courses including lab procedure and theoretical concepts.
- Demonstrated and taught impact toughness testing, tensile testing, heat treatments of metals.

### Research Assistant

Queen's University  
05/2017 – 08/2017;  
05/2016 – 08/2016

- Independent research tasks involving meticulous specimen preparation, micro-computed tomography imaging, and compression testing of trabecular bone samples.
- Hands-on experience in metallography, scanning electron microscopy, and tensile testing of high-strength steel.

### Engineering Assistant

Andritz Hydro  
05/2015 – 08/2015;  
05/2014 – 08/2014

- Data extraction and statistical analysis from test reports for hydro generator database creation requiring high attention to detail.
- Used Fortran and Visual Studio to develop an international R&D team's hydro generator analysis software.

## EXTRACURRICULAR EXPERIENCE

- Cycling: Assistant captain, Queen's University varsity cycling team
  - 2018-19 Team Leadership Award