

# Braden Ganetsky

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## Education

### **Bachelor of Science in Mechanical Engineering - Co-op/IIP Option**

University of Manitoba

Expected date of graduation: May 2021

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## Engineering Experience

### **Team Lead**

**August 2018 – present**

WE (Wind Energy) Design Team · University of Manitoba

- Managed a team of 30 people to design and fabricate a small-scale wind turbine
- Spearheaded the organizing of our branding, marketing, and file sharing system
- Led the team's acquisition of sponsorship, and managed the team's accounting and finances

### **Drivetrain, Rotors, and Testing Member**

**August 2017 – August 2018**

WE (Wind Energy) Design Team · University of Manitoba

- Integrated seamlessly into an existing team environment, adapting quickly
- Learned and practiced essential computer-aided engineering (CAE) skills
- Created readable and concise machining drawings for parts in SolidWorks

## Work History

### **Product Specialist Co-op Student**

**May 2020 – August 2020**

Eaton Industries (Canada) Company · Winnipeg, Manitoba

- Launched new Kanban system using data matrix barcode generation to restructure inventory
- Processed and manually assembled expensive, crucial orders of 3-phase circuit breakers
- Classified and disposed of old inventory and old job files in the pursuit of organization

### **Quality Engineering Summer Student**

**April 2019 – August 2019**

Magellan Aerospace, Winnipeg · Winnipeg, Manitoba

- Managed inspection instructions to fit the needs of the inspectors and the company
- Automated non-conformance detection from a CMM, in Excel and VBA
- Produced a project management documents to introduce augmented reality into inspection

**Research and Development Engineering Student****April 2018 – August 2018**

Price Industries, Mechanical Division · Winnipeg, Manitoba

- Designed gas train manifolds in SolidWorks from the ground-up
- Assembled a production standards folder for the gas train manifolds

**Marker and Tutor****May 2017 – August 2019**

Kumon · Winnipeg, Manitoba

- Communicated mathematics and reading knowledge effectively to develop children's skills
- Marked children's assignments in a timely manner, multitasking the tutoring and marking

**Lego NXT Summer Camp Instructor****Summers 2011 – 2017**

Rady JCC Daycamp · Winnipeg, Manitoba

- Communicated technical knowledge to children, keeping it engaging yet educational
- Relayed information to parents and ensured the children's safety

**Special Skills**

Programming Languages:

VBA, AutoHotkey, C++, Python

Productivity Software:

MS Excel, Word, Project

CAD Software:

SolidWorks

3D Printing Software:

Cura, Ideamaker

Computer Skills:

Build and install computers, troubleshoot problems

Design Skills:

Ability to design for 3D printing or sheet metal

Driver's License:

Class 5 Manitoba driver's license

**Extra Curricular Activities****Senior Stick (President)**, University of Manitoba Engineering Society (UMES) 2020 – present**Debate Competition Director**, Canadian Engineering Competition (CEC),  
Canadian Federation of Engineering Students (CFES) 2019 – 2020**Vice Stick Academic**, UMES 2019 – 2020**Council Member**, UMES 2016 – 2019**Bassist**, Sarah Sommer Chai Folk Ensemble 2015 – present**Singer**, Sarah Sommer Chai Folk Ensemble 2013 – present**Interests**

Twisty puzzles, Rubik's cubes, CAD, 3D printing, energy, programming, singing, bass, piano, drums