

Braden Ganetsky

Email: braden@ganets.ky Website: ganets.ky

Education

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

University of Manitoba

Expected date of graduation: May 2021

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