

Braden Ganetsky

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

Education

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

May 2021 – University of Manitoba

Work History

Software Developer, Query Engine, Back End Technologies

May 2021 – Present

Kinaxis · Ottawa, Ontario

- Founded and facilitated bi-weekly C++ technical book club to keep our skills sharp
- Communicated with all team members effectively, given my remote work from Winnipeg
- Solved the [2038 problem](#) in our code base so customers can plan further into the future
- Continually fixed numerous memory leaks and access violations by using safer practices
- Mentored new co-op students on the team, fostering a cooperative culture
- Established reliable lines of communication between teams to work more effectively

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

Volunteer Experience

Vice Stick Academic (vice president), then Senior Stick (president) **May 2019 – April 2021**

University of Manitoba Engineering Society (UMES)

- Coordinated and facilitated all the events in UMES, with increasing responsibility
- Established UMES Discord server to maintain community during COVID-19 pandemic
- Served as leader and reference point for the Price Faculty of Engineering student body
- Liaised with the Dean's Office, University administration, other faculties, and external orgs

Team Lead

August 2018 – August 2021

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
- Competed in International Small Wind Turbine Contest for the first time in team's history

Special Skills

Advanced Languages:

C++11 through C++23

Intermediate Languages:

C#, C, Python, VBA

Productivity Software:

Git, AutoHotkey, MS Excel

CAD Software:

SolidWorks

Computer Skills:

Build and install computers, troubleshoot problems

Design Skills:

Ability to design for 3D printing or sheet metal

Other Activities

Singer, Sarah Sommer Chai Folk Ensemble

2013 – present

Bassist, Sarah Sommer Chai Folk Ensemble

2015 – present

Twisty Puzzle Designer (Rubik's cubes)

2015 – present