Braden Ganetsky

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LinkedIn: link   GitHub: link

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