

SHAWN BENEDICT

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SUMMARY OF QUALIFICATIONS

- Practical knowledge of JavaFx. Working knowledge of Python, MATLAB, and Visual Basic
- Proven communication skills developed through being an academic representative for my engineering cohort
- Exceptional time management skills as evidenced by achieving 96% average in first term of engineering while balancing 7 courses and extra curriculars
- Gained machine bay experience as evidenced from assembling welding jigs, sanding metal components to be welded and using Solidworks to design a Pythagoras cup
- Exceptional creativity and collaboration skills as evidenced by using my video idea to win the best creativity on the emulsifier project in first term
- Ability to learn quickly in a new environment developed from helping to build a school in Ecuador
- Fluent in English and French

ACTIVITIES & INTERESTS

- Ultimate Frisbee, Rock Climbing
- Tennis, Skiing
- Reach for the Top Trivia Club
- Comedy shows

EDUCATION

University of Waterloo

Candidate for B.A.Sc. Nanotechnology Engineering (Class of 2025)

EXPERIENCE

Midnight Sun Solar Car Design Team

Sept 2020 - present

- ❖ Accomplished various tasks including assembling welding jigs through reading engineering drawings, sanding metal pieces that would be welded onto the chassis, and efficiently measuring out how much adhesive to be cut for a carbon fibre layup

Academic Representative | University of Waterloo

Sept 2020 - present

- ❖ Elected and re-elected to collect and analyze student and instructor feedback and convey it professionally to improve the Nanotechnology Engineering Program
- ❖ Achieved change in online course execution to improve student quality of learning

Engineering Society Class Representative | University of Waterloo

Jan 2021 - present

- ❖ Brought up concerns from the class to the Engineering Society

Water Safety Instructor | Gale Swimming

Summer 2018 - 2020

- ❖ Improved my ability to think on my feet, problem solve and communicate with students, parents and colleagues
- ❖ Created lesson plans and documented student's progress

Tutor | Bowmanville and Waterloo

Sept 2016 - present

- ❖ Taught subjects such as high school math and physics, and first year calculus to students, friends and peers
- ❖ Enhanced student course understanding, resulting in higher marks

Volunteer Me to We Leadership Trip | Ecuador

Mar 2019

- ❖ Main focus was to learn about Ecuadorian culture and to help build a school
- ❖ Learned various tasks quickly including bending rebar and mixing cement

DESIGN PROJECTS

Designing a Pythagoras Cup

Nov 2020 | First year assignment

Went above and beyond the criteria of a normal mug to create a Pythagoras cup

- ❖ Designed using Solidworks
- ❖ Received 110% (bonus for creativity)

Cardboard Boat Race | Grade 12 Physics

Dec 2019 | Received highest mark in the class

- ❖ Researched and developed, built (spent 30 hours) and raced in boat with a partner

Make an RPG | Grade 12 Computer Science

May 2019

- ❖ Planned, developed with GitHub, bug tested and gave a 30-minute presentation with a partner
- ❖ Role playing game programmed using OOP in JavaFx