

BRIAN NGUYEN

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EDUCATION

Schulich School of Engineering, University of Calgary
Bachelor of Science – Software Engineering
□ Cumulative GPA: 4.0

September 2020 - April 2025

QUALIFICATIONS

A **driven**, **innovative**, and **analytical** problem solver who uses resources tactfully and **efficiently** to accomplish any given goal. Using recently acquired technical knowledge, organizational and problem-solving skills, challenges are met by setting objectives and determining courses of action.

Provide strong **leadership** by being **optimistic**, **organized** and fostering a **communicative**, teamwork orientated environment. Leading by example, and the ability to be **diplomatic** when needed.

A strong oral and written **communicator** for others. Work is clear, precise, and carried out in a **cooperative** manner. Demonstrate an ability to think along constructive original lines, while also **alert** to new opportunities, techniques, and approaches and take **responsibility** for mistakes and shortcomings.

ENGINEERING EXPERIENCE

Self-Directed Personal Project

February 2021 - Present

Alberta COVID-19 Data Analysis

- In development using Python, data from Alberta Health Services (<https://www.alberta.ca/stats/covid-19-alberta-statistics.htm#data-export>) is used to visualize the severity of the COVID-19 pandemic over time
- Aggregated data based on age range, sex and final status of each positive case
- Correlating the results of the data over time to Alberta's COVID-19 Response Plan and public health measures in an upcoming report

First Year Engineering Project – Computing for Engineers Course Final Project

November 2020

Canadian Weather Analysis

- Developed using python, an efficient program that analyzes continuous weather data from <https://weatherstats.ca/>
- Integrated Matplotlib and NumPy library alongside Python algorithms to take excel data and display relevant data in a GUI to the user
- Investigated the results in a formal report relating to global warming to annual temperatures

VOLUNTEERING EXPERIENCE

Alberta Health Services, Peter Lougheed Hospital

February 2021 – Present

Patient Experience Volunteer

- Engaged with patients, provided meal-time assistance, and patient mobility.

Calgary Southwest Community Resources Center

November 2020 - Present

Student Tutor

- Tutoring vulnerable children aged 11-18 in Math, Science, Chemistry and English
- Identify and utilize individual learning preferences for each student and be understanding of their personal situations
- Act as a mentor and a helping hand for every student

Meals on Wheels

August 2020

Meal Delivery Volunteer

- Delivered meals to families within Calgary during the COVID-19 Pandemic

Mustard Seed

August 2020

Donation Sorting and Food Prep Volunteer

- Assisted in sorting of donations and prepared meals for families in need

AWARDS

President's Admission Scholarship

September 2020

Alexander Rutherford Scholarship

September 2020

SKILLS

- | | | |
|-------------------------------------|---|--|
| <input type="checkbox"/> Python | <input type="checkbox"/> C / C++ | <input type="checkbox"/> Adobe Premier Pro |
| <input type="checkbox"/> Fusion 360 | <input type="checkbox"/> Microsoft Office | <input type="checkbox"/> Adobe Photoshop |
| <input type="checkbox"/> LaTeX | <input type="checkbox"/> Fluent in Vietnamese | <input type="checkbox"/> MATLAB |

SCHOOL INVOLVEMENT AND MEMBERSHIPS

- | | |
|--|---|
| <input type="checkbox"/> Engineering Student's Society (ESS) | <input type="checkbox"/> Engineering Leadership Program |
| <input type="checkbox"/> Engineering Mentorship Program | |