COLE BRADLEY

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EDUCATION

McGill University — September 2019 - Present
B.Eng in Mechanical Engineering, Minor in Computer Science — *CGPA: 3.9/4.0*
Deans Honour List
McGill Engineering Competition Junior Design 2nd Place — *November 2020*

WORK EXPERIENCE

Canadian Natural Resources Limited — May 2021 - August 2021
Technical Safety Engineering Student — *Calgary, AB*

· Tiered process safety incidents in Maximo to determine their severity rank & root causes.
· Developed a Major Conventional & Thermal Facilities list using Excel to streamline future baseline HAZOP selection.
· Participated in PHA's for conventional facilities to help determine risks and consequences and how they can be mitigated for new designs and changes to existing process infrastructure.

McGill University — September 2020 - Present
Academic Tutor — *Montreal, QC*

· Taught multiple first-year University students in mathematics, physics, and other STEM courses.
· Formed strong relationships with students while helping them to learn advanced scientific concepts and improve from previously failing to succeeding in their classes.

PROJECTS

Personal Website — August 2021

· Built from scratch a functional & responsive website to use as a portfolio of personal CS projects.
· Learned HTML and CSS through various online courses and video tutorials to create.

Sudoku Solver — April 2021

· Solves 9x9 Sudoku's of all difficulties in less than 20 milliseconds using a backtracking algorithm and some added features to improve efficiency.
· Created using Java on IntelliJ for Intro to Computer Science final project.

LEADERSHIP EXPERIENCE

National Organization for Business & Engineering: McGill Chapter — May 2021 - Present
Logistics Director

· Organized and executed with the events and executive team successful networking events, case competitions, & other professional development opportunities for students.

Letters to Seniors Volunteer Writer — September 2020 - Present

· Matched with a senior in a care facility who has limited outsides contacts. Exchanging letters to establish a meaningful connection with someone of an older generation during the Covid-19 pandemic.

McGill Engineering Orientation Leader — September 2020

· Led with 1 other leader a group of 10 students through a fall engineering orientation in a new online format due to Covid-19 restrictions.
· Created a welcoming environment open to questions and concerns new students had before beginning their first year of University.

SKILLS

Technologies	Python, Java, C, Bash, HTML, CSS, MATLAB
Software	SolidWorks, Microsoft Office Suite
Languages	English, French (DELF B2)