

# COLE BRADLEY

(403) · 880 · 6030 ◇ coleb006@gmail.com ◇ www.colebradley.ca ◇ www.linkedin.com/in/colebradley006

## EDUCATION

---

### McGill University

September 2019 - April 2024

*Major in Honours Mechanical Engineering, Minor in Computer Science*

*CGPA: 3.89/4.00*

- 1st Place in MECH 292 Design Competition out of 26 teams of 4 (April 2022)

## WORK EXPERIENCE

---

### Canadian Natural Resources Limited

May 2022 - August 2022

*Project Engineering Intern*

*Horizon Oil Sands, AB*

- Learned and applied various Project Management techniques such as earned value analysis for a major downstream project developing a VDU Heater with a budget of \$240 M.
- Conducting Quantity Surveying on-site to confirm contractors are meeting deadlines, ensuring the project schedule and budget are respected.

### McGill University

January 2022 - April 2022

*Teaching Assistant: Ordinary Differential Equations*

*Montreal, QC*

- Prepared practice problems and taught a weekly tutorial online and in-person to 40+ students.
- Responded to students questions about the content and framed practice problems in different ways to better communicate the questions at hand.

### McGill University

January 2022 - April 2022

*Teaching Assistant: Intermediate Calculus*

*Montreal, QC*

- Prepared practice problems and taught a weekly tutorial online to 15+ students.

### Canadian Natural Resources Limited

May 2021 - August 2021

*Technical Safety Engineering Intern*

*Calgary, AB*

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

## PROJECTS

---

### Stock Analyses Program

June 2022

- Used technical analyses on the top 100 largest market cap companies in the S&P 500, utilizing the 50 day SMA and 200 day SMA to determine if a stock is trending towards a buy price or a sell price.
- Uses functions from the yfinance and pandas library in Python to calculate and modify data and then present the buy, sell and watch list to the user.

### Flag Deflection Numerical Analysis Project

April 2022

- Using MATLAB and Python in a group of 4, created scripts that ran numerous numerical analysis techniques such as numerical integration to estimate the deflection of a flag for our numerical methods class final project.

## LEADERSHIP EXPERIENCE

---

### National Organization for Business & Engineering: McGill Chapter

May 2022 - Present

*VP External*

- Currently the main liaison between NOBE and various finance and consulting companies, working to maintain these professional contacts and collaborating with them to organize many events for students.
- Previously a logistics director in 2021-2022 where I organized and helped run successful NOBE events.

## SKILLS

---

### Technologies

Python, Java, C++, C, Bash, HTML, CSS, MATLAB

### Software

SolidWorks

### Languages

English, French (DELF B2)