COLE BRADLEY

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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 make sure 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 help them better understand 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 to determine their severity rank & 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 determine risks and consequences and how they can be mitigated for new designs and changes to existing process infrastructure.

PROJECTS

Stock Analyses Program — January 2022
· Uses 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 help 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 help determine and then present the buy, sell and watch list to the user.

Personal Portfolio Website — August 2021
· Built from scratch a functional & responsive website to use as a portfolio of personal CS projects.

LEADERSHIP EXPERIENCE

National Organization for Business & Engineering: McGill Chapter — May 2022 - Present
VP External
· Currently the main liaison between NOBE and various companies working to maintain these professional contacts and collaborating with them to organize recruiting/informational event for McGill students.
· Was previously a logistics director in 2021-2022 where I helped organize and run NOBE events.

SKILLS

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