

Caleb Mueller

British Columbia
(778) 266-6601
ctwmueller@gmail.com

Self-motivated engineering student with strengths in data analysis, 3D modeling, and numerical methods. Skilled in collecting and analysing data, conducting numerical analysis, and developing 3D printed solutions to engineering challenges. Passionate about applying analytical and technical skills to develop innovative and sustainable engineering projects.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Student Researcher (Undergraduate Research Experience)

Prince George, BC
September 2023–Present

- Design climate-adapted 3D modeled bat houses using thermal simulation
- Iteratively test 3D printed bat house prototypes
- Improving habitats for the endangered Little Brown Bats
- Apply CAD modeling, thermal analysis, and 3D printing skills

CANADA REVENUE AGENCY

Administrative Support Clerk

Calgary, AB
May 2022–September 2022

- Prepared tax correspondence and notices for mailing to taxpayers
- Reset and troubleshooted call centre agent smartphones
- Showed initiative in finding solutions to technical problems

Administrative Assistant

May 2021–September 2021

- Entered employee schedules, leave, and vacation balances in an HR database
- Maintained spreadsheets for managers and prepared reports

STRATEGIC NATURAL RESOURCE CONSULTANTS

Assistant Development Technician

Prince George, BC
May 2019–August 2019

- Conducted boundary and road layout, and riparian assessments
- Navigated blocks to identify and delineate buffer zones around streams
- Collected field data and gained skills in GPS use and field safety

EDUCATION

UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Bachelor of Applied Science in Environmental Engineering

Prince George, BC
September 2020–April 2025

AWARDS/HONORS

UNBC UNDERGRADUATE RESEARCH EXPERIENCE

2023

Grant Award Winner

ENGINEERING STUDENT ASSOCIATION

2022

Logo Design Competition Winner

GOLDEN KEY INTERNATIONAL HONOR SOCIETY

2020

Member

ADDITIONAL SKILLS

Microsoft Office • Technical Writing • Team Collaboration • Python/SQL • 3D Modeling/Printing • Adaptable
Technical Support • Detail-Oriented • Independent • GPS/Navigation • Bilingual (French)