

William Fraser

(403) 619-6297

williamgfraser2015@gmail.com

LinkedIn:

<https://www.linkedin.com/in/william-fraser-616674247/>

OBJECTIVE

An enthusiastic second year software engineering student at the University of Calgary looking to apply himself in a professional environment in order to gain further work experience and skills in a software engineering related field.

HIGHLIGHTS OF SKILLS

Communication Skills: Excellent verbal and written communication skills developed through previous work experience and a variety of school projects that required effective and efficient communication.

Computer Programming: Proficiency in C/C++ and Python programming languages. Essential programming skills and practices developed through courses listed below along with personal practice.

Problem Solving: The ability to clearly define a problem and determine creative solutions.

Open Minded and Willing to Learn: Looking to further develop both professional and technical skills.

EDUCATION

Bachelor of Science in Software Engineering

09/2021-Present

University of Calgary, Alberta

- **Scholarships:**
 - Alexander Rutherford Scholarship (2021)
 - Jason Lang Scholarship (2022)
- **Achievements:**
 - Bowness High School Lifetime Honour Society membership
 - Automotive Mechanics Top Academic Achievement
- **Current average GPA:** 3.54

Relevant Courses

- Software Engineering Practices for Data Management
 - An introduction to professional skills and practices within software engineering. Focuses on debugging skills, revision control using Git, and data models, including using Structure Query Language and the MySQL database management system.
- Programming Fundamentals for Software and Computer
 - Develops key features of the C and C++ programming languages and program design skills. Focused on pointers, memory management, and manipulation of text and binary files, along with an introduction to recursion and object-oriented language.
- Object-oriented Principles for Software Development
 - Fundamental object-oriented software analysis, design, and development. Topics include inheritance, polymorphism, and application of common data structures. Best practices tools for testing, debugging and documentation. Taught using Java.
- Full Stack Web Development
 - A practical survey of fullstack software development including front-end and back-end design and development, relevant libraries and framework, principles of devOps and cloud integration, in the context of agile software development.
- Practical Data Structures and Algorithms
 - Introduction to foundational data structures such as stacks, queues, lists, heaps, hash tables, trees, and graphs.

WORK EXPERIENCE

Summer Student

May, 2022 to August, 2022

Calvin Consulting Group Ltd., Calgary, Alberta

- Assisted Senior consultants with field work doing fugitive emissions testing at natural gas and petroleum processing/storage sites.
- Prepared Emissions summaries using excel.
- Edited and prepared various environmental regulatory reports.

VOLUNTEER EXPERIENCE

Badminton Coaching Assistant

2016

Calgary Winter Club, Calgary, Alberta

CERTIFICATIONS

- **First Aid and CPR**
 - Canadian Red Cross, Calgary, Alberta (2022)
- **H₂S Alive**
 - Energy Safety Canada, Calgary, Alberta (2022)
- **Common Safety Orientation**
 - Energy Safety Canada, Calgary, Alberta (2022)

Interests

- **Hiking**
- **Camping**
- **Skiing**
- **Autosport**

REFERENCES

Personal references available upon request.