

September 20, 2024

**Glencore Canada Ltd.**, Elk Valley Resources  
Sparwood and Elkford, Kootenay Rockies, British Columbia

Dear Hiring Manager:

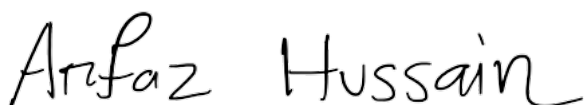
I am writing to express my strong interest in the *Process Control and Automation* Co-op at Glencore Canada. I am a software engineering student at the University of Victoria in British Columbia. I am eager to learn and grow in the field of computer and software engineering, and I believe that this role will help me gain valuable work experience related to my interests and help me acquire a practical understanding in a real-world setting.

Throughout my academic endeavours, I have had the chance to explore and learn about many important concepts in software engineering, such as object-oriented programming, software architecture design, agile methodologies and software testing. My academic and project experiences align well with the requirements of this position:

- **Industrial Automation and System Design:** I've leveraged TypeScript, React, and Python to design and implement full-stack applications, while developing schemas for relational (PostgreSQL) and non-relational (MongoDB) databases.
- **Experience with Real-Time Systems and Control:** I've developed complex simulations like a 3D Rubik's Cube in C++ and integrated real-time telemetry systems in embedded systems using React.js and MongoDB databases.
- **Testing, Automation, and System Reliability:** I have experience using automation tools like Selenium, WebDriverIO, and unit testing frameworks such as JUnit and pytest to ensure system reliability and performance. I also have extensive experience in automating tasks through python and bash.
- **Collaborative Project Management in Engineering Environments:** I've led teams through hackathons and student engineering societies, collaborating on technical projects and mentoring peers.

I am currently available for a **12-month** work term and would be open to the possibility of participating in more than three consecutive terms. Thank you for considering my application. I look forward to the possibility of speaking with you further about this role.

Most Sincerely,



**Arfaz Hossain** (He/Him)  
Software Engineering Student,  
University of Victoria