

Arfaz Hossain

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www.arfazhxss.ca

Education

Bachelor of Software Engineering

Sep 2021 – Present

University of Victoria

Victoria, BC

Expected Graduation: August 2026

Selected Projects

Ground Support System

Jul 2023 – Present

GitHub: UVicRocketry/Ground-Support

Victoria, BC

- Collaborated with a team of 10-15 developers in developing a telemetry visualization and post-flight analysis tool for rockets through weekly sprint planning sessions
- Implemented 15+ Material-UI components using React-TypeScript following dynamic UI, enhancing adaptability and usability across diverse rocket configurations
- Incorporated design patterns including *Microservice Architecture* and *Entity-Based Design* using MongoDB, streamlining backend development and database interaction

Rubik's Cube (3D Simulation)

Feb 2023 – June 2023

GitHub: arfazhxss/OpenGL-projects

Victoria, BC

- Developed a 3D simulation utilizing OpenGL libraries GLUT, GLFW, and GLM, incorporating advanced graphics rendering techniques through GLSL Shader Language for visualizations and mathematical operations
- Implemented intuitive keyboard and mouse controls, including precise cube rotations with keys such as L, J, I, K, and dynamic zoom functionalities with keyboard shortcuts

Simple Weather Application (iOS)

Apr 2023 – Nov 2023

GitHub: arfazhxss/Weather-Application

Victoria, BC

- Developed an iOS application using Swift programming language with a strong emphasis on object-oriented programming principles, ensuring a modular and maintainable codebase.
- Implemented a user-friendly interface that seamlessly integrates with OpenWeather API, allowing users to effortlessly access and navigate through accurate weather information for their current city.

Experience

Graphics Coordinator

Jan 2023 – Present

Engineering Student's Society (ESS)

Victoria, BC

- Designed and illustrated a total 15+ posters and 20+ social media posts while managing office hours to ensure the availability of the student lounge
- Co-ordinated regularly with Vice-President Communications in conveying information about events and services to the engineering student body, maintaining websites, social media accounts and distributing posters on university campus

Technical Skills

Languages: Java, Python, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, R

Frameworks: NodeJS, ReactJS, JUnit, MongoDB, Express

Databases: MySQL, PostgreSQL, MongoDB

Developer Tools: Git, Docker, GitHub Actions

Libraries: React, Express, NumPy

February 23, 2024

City of Langford

Division: Human Resources

Langford, Victoria, British Columbia

Dear Hiring Manager:

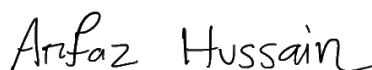
I am writing to apply for the **IT Student Co-op** placement at the City of Langford. With my strong background in computer science and hands-on experience in technical support, I am excited about the opportunity to contribute to your team and gain valuable insights into the industry.

I am currently pursuing a degree in Software Engineering at University of Victoria where I have gained a comprehensive understanding of IT fundamentals, which I have augmented with practical experiences in troubleshooting and resolving technical issues. One of my key strengths lies in my ability to provide exceptional customer service. I firmly believe in maintaining positive relationships with clients and colleagues alike, ensuring that their needs are met efficiently and courteously. Whether in person, over the phone, or via email, I am committed to delivering timely and effective solutions to all help desk inquiries.

I have experience in installing, maintaining, and troubleshooting various devices and operating systems, which includes both Mac and Windows-based machines as well as Unix and Linux based machines. I have fixed various connectivity issues within LAN environments, as well as configuring and deploying end-user hardware. In terms of software applications, I am proficient in Microsoft Office and Adobe products, which I regularly use in my academic and personal pursuits. For instance, I frequently utilize Office products like OneNote, OneDrive, Word, Excel, and PowerPoint for assignments, presentations, and collaborative projects. As a photographer and illustrator, I rely on Adobe Lightroom, Adobe Photoshop, and Adobe Illustrator for editing and design tasks. Additionally, my experience in videography has acquainted me with Adobe Premiere Pro and Adobe After Effects. I also have familiarity with Adobe XD and Figma, which I have utilized for various application design purposes.

I am currently available for a 4 or an 8-month work term and would be open to the possibility of participating in more than two consecutive terms. Thank you for considering my application. I look forward to the opportunity to further discuss my skills and experience with City of Langford.

Most Sincerely,



Arfaz Hossain (He/Him)

Software Engineering Student,
University of Victoria