# Arfaz Hossain

Victoria, British Columbia

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**Fisheries and Oceans Canada (DFO)**
Division: Ocean Sciences Division
Sidney, Victoria, British Columbia

Dear Hiring Manager:

I am writing to apply for the **Web Application Developer** placement at Fisheries and Oceans Canada (DFO). I am eager to learn and grow in the field of software development and I believe that this role will help me gain valuable work-experience related to my interests and help me acquire a practical understanding of the software development cycle in a real-world setting.

**I have a fascination for developing web and mobile applications, and I am continually learning new skills through personal projects outside school.** I have been involved in 13+ software development projects, which includes developing an iOS weather application in Swift Programming Language, making a 3D graphical simulation of a Rubik's Cube in OpenGL and C+ and developing many web development projects in JavaScript and TypeScript. I have interests in the field of Visual Computing and Artificial Intelligence, and have been taking an active interest in the field through my coursework and side-projects. I have been an active member in the UVic Engineering Students Society (ESS) and UVic Rocketry club (UVR) and have volunteered in multiple events, engaged in development projects throughout my time.

**As a third-year student studying software engineering**, I have had the chance to learn concepts like object-oriental programming, software development, testing and evolution, data structures and advanced algorithms. I have actively contributed to the UVic Rocketry Ground Support team as a front-end developer, where I have developed many web-elements in TypeScript-React. I am familiar with writing queries and designing database schema in PostgreSQL as well as NoSQL Databases and have frequently used tools like MySQL and Mongoose in some of my projects. I am also familiar with testing tools such as Selenium, JUnit, Maven, Gradle, and have experience in writing unit and integration testing. Throughout my previous projects, I utilized ticketing tools like Jira, Kanban, documentation, and code refactoring to ensure reproducibility in my code. I am adaptable and always eager to learn and am confident that I can quickly gain familiarity with any new tools or techniques necessary to excel in this role.

**I am currently available for 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 Fisheries and Oceans Canada (DFO).

Most Sincerely,

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