

Arfaz Hossain

4098 San Capri Terrace
Victoria, BC
V8N 2J6

(250) 880 8402

github.com/arfazhxss
linkedin.com/in/arfazhussain
arfazhxss.com/#about

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Centre for Aerospace Research (CAR)

University of Victoria
Vancouver, BC

Dear Hiring Manager:

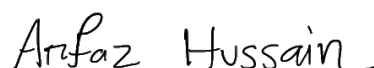
I am writing to apply for the Software Specialist Co-op Student at Centre for Aerospace Research. As someone who is always eager to learn and grow in my field, I believe that this is an excellent opportunity to gain valuable experience and enhance my skills in software development and testing.

I have a fascination for developing web, desktop and mobile applications, and I am continually learning skills through my personal interests and hobby projects outside school. I have been involved in more than 10 software development projects, which ranges from developing an iOS weather application, graphical simulations and gaming projects in OpenGL, C++ and C#, to web development projects mostly in JavaScript, TypeScript, React and Redux. During my first year, I gained valuable experience in the food and beverage industry by working as a customer service representative and grocery clerk. I have also 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.

Currently I am a second-year student studying software engineering, where I have had the chance to learn the programming fundamentals, software development concepts, data structures and algorithms. I have a strong understanding in Object Oriented Programming (OOP) standards and have frequently used it in my personal gaming projects in C# and Unity. In addition to my academic pursuits and personal projects, I actively contribute to the UVic Rocketry Ground Support team as a front-end developer. I am familiar with writing queries and designing database schema in SQL and NoSQL Databases and have used tools like MySQL and Mongoose in my projects. I am also familiar with testing tools such as Selenium, JUnit, Maven, Gradle, and have experience in writing unit and integration testing. I am also very familiar with Agile Mythologies and have used ticketing and CI/CD tools like Jira and Kanban. 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.

Given my current work-term setup, I am available for a 4- or an 8-month work term and would be open to the possibility of participating in two consecutive terms. Thank you for considering my application. I look forward to the opportunity to further discuss my skills and experience with Centre for Aerospace Research.

Most Sincerely,



Arfaz Hossain (He/Him)
2nd Year Software Engineering Student,
University Of Victoria