Arfaz Hossain

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Semtech
<u>Division: Sierra Wireless</u>
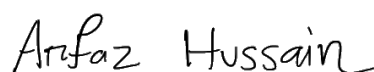Richmond, British Columbia

Dear Hiring Manager:

I am writing to apply for the Software Developer Co-op at Semtech. 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.

I have a deep fascination for developing web, mobile and graphics applications, and I am continually learning skills in these areas of development through my personal interest and academic journey. I have worked independently and collaborated with multiple teams on 10+ projects, gaining experience in many areas of software design and development. In addition to my academic projects, I have successfully completed several personal projects, notably I developed a weather application for iOS, built my personal portfolio using HTML, CSS and JavaScript, and created an obstacle-based game using Java Swing. I have also experience in working on graphical design projects throughout high school, which allowed me to enhance my skills in effective visual communication.

In terms of the specific requirements for this role, I have experience developing and building graphical applications using C and C++. I have a keen interest in Game Development and AR/VR technologies, which led me to learn making 3D components using OpenGL. Though my interactions with C and C++ have been limited to my personal interest and while building an autonomous robot as part of my coursework, I believe I will be comfortable adapting to the experience needed for this role. Additionally, I have utilized Python for various projects, such as scraping data from the internet, particularly utilizing GitHub APIs, and solving object-oriented programming problems. While I have some understanding of networking protocols, particularly TCP/IP, I am eager to expand my knowledge in this area through an upcoming networking and data communications course I will be undertaking this Fall.

Given my current work-term setup, I am available for either a 4 or 8-month co-op 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 Semtech.

Most Sincerely,

Arfaz Hussain

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