Arfaz Hossain

Victoria, British Columbia

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arfazhxss.ca/resume.pdf

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Microchip Technology Inc
Microsemi (Data Center Solutions)
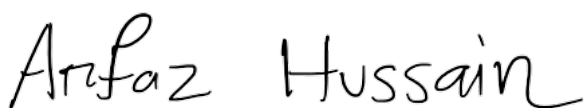Burnaby, British Columbia

Dear Hiring Manager:

I am writing to express my strong interest in the *Validation Engineer* Co-op at Microchip Technology. 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:

- **System Validation and Testing**: I have experience developing end-to-end testing solutions, including unit, integration, and functional tests using frameworks like JUnit, pytest, and Mocha.
- **Embedded Software Development**: My technical expertise spans languages like C, C++, Python, and JavaScript. I have developed applications that involve low-level programming and hardware interfacing, such as creating a 3D simulation using C++ and OpenGL.
- **Design and Scripting**: I have experience with development tools and scripting languages like Bash and TCL for automation and control in testing environments.
- **Collaboration and Communication**: My roles in VikeLabs and the Engineering Students Society have involved leading technical teams and collaborating with multidisciplinary groups. I have presented technical information effectively and have contributed to team-based projects that require clear communication and coordination, similar to the collaborative environment of a System Validation team.

I am currently available for **a 4-month** work term and would be open to the possibility of participating in more than one 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