

Arfaz Hossain
Victoria B.C., V8N 2J6
arfazhussain@uvic.ca | (250) 880 8402

May 17, 2023

Canadian Natural Resources Ltd
Fort McMurray, Alberta

Dear Hiring Manager:

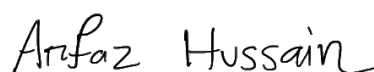
I am writing to apply for the Developer Student Co-op at Canadian Natural Resources Ltd. As someone who is always eager to learn and grow in my field, I believe that this is an excellent opportunity to gain valuable experience and enhance my skills in software development.

I have a deep fascination for the potential of technology to solve intricate problems, and I am continually refining my skills in developing efficient and dependable software solutions. Throughout my academic coursework, I have collaborated with multiple teams on diverse projects, gaining experience in different areas of software development. In addition to my academic projects, I have completed several personal projects, including developing mobile applications, building my personal web portfolio, and creating an obstacle-based game using Java Swing. These projects have given me the opportunity to work on my own, and I have developed strong problem-solving and debugging skills in the process.

In terms of the specific requirements outlined in the job posting, I want to highlight my strong foundation in programming languages such as C, C++, Java, and Python. I have extensive experience in mobile development, currently working on two separate projects using Swift for iOS and Kotlin for Android. Additionally, I have a keen interest in web development and have been actively expanding my skillset in this area. For instance, I have created a comprehensive portfolio website from scratch using HTML, CSS, and JavaScript, without relying on any external tools or libraries. Furthermore, I am currently focusing on enhancing the responsiveness and user-friendliness of my website across all devices by expanding my skills in ReactJS and TypeScript. Although I do not have direct experience with front-end data extraction and visualization tools such as Power Pivot, Power Query, Power BI, Tableau, SAP, or SQL, I am eager to learn and adapt to new technologies as required by the role.

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 how my skills and experience can contribute to your team.

Most Sincerely,



Arfaz Hossain

ARFAZ HOSSAIN

(250) 880 8402 | arfazhussain@uvic.ca | linkedin.com/in/arfazhussain | github.com/arfazhxss
www.arfazhxss.com

KEY COMPETENCIES

Tools and Languages: C, C++, Java, Kotlin, Swift, HTML, CSS, Python, JavaScript, Git/Bash

Development and Design: Visual Studio, Code, Xcode, IntelliJ IDEA, Android Studio, Microsoft Office

Skill Development: Swift, Kotlin, Data Structures, Computational Algorithms

EDUCATION

University of Victoria

Bachelor of Engineering (B.E.) in Software Engineering

Sep 2021 – Current

Current and Past Coursework: CSC 111-115 (Fundamentals of Programming), CSC 225-226 (Algorithms & Data Structures), SENG 265-275 (Software Development and Testing), CSC 230 (Computer Architecture), SENG 310 (Human Computer Interaction)

PERSONAL PROJECTS

Investment Calculator

May 2023 – Current

[www.github.com/arfazhxss/DCFA](https://github.com/arfazhxss/DCFA)

- ▶ Developing an iOS based mobile application using Swift to enable users perform Discount Cash Flow (DCF) analysis of an investment based on current interest rates and real-time market data
- ▶ Implementing DCF analysis for accurate valuation of investment based on projected cash flows and discount rates
- ▶ Utilizing UIKit libraries to implement responsive and engaging design elements
- ▶ Testing and debugging app functionality across iPad and iPhone, ensuring optimal performance and usability

Portfolio Website

Sep 2022 – Current

[www.github.com/arfazhxss/portfolio-website](https://github.com/arfazhxss/portfolio-website), www.arfazhxss.com

- ▶ Developing a responsive portfolio website utilizing semantic HTML, CSS, Bootstrap, jQuery, and JavaScript with a focus on mobile-first approach, user experience, and accessibility
- ▶ Continuously expanding portfolio with new projects and skills gained throughout my ongoing engineering degree

IR Sensor Autonomous Robot

Jan 2023 – Mar 2022

[www.github.com/arfazhxss/robotc](https://github.com/arfazhxss/robotc)

- ▶ Collaboratively built and developed an autonomous VEX Robot as part of the required coursework for *Engineering Design and Communication* (ENGR120)
- ▶ Actively tested precise motor, sensor, and infrared receiver inputs to ensure accurate movement and effective signal tracking within a controlled arena, using the C programming language

T-Rex

Aug 2022 – Oct 2022

[www.github.com/arfazhxss/T-Rex](https://github.com/arfazhxss/T-Rex)

- ▶ Developed a Java-based version of the popular T-Rex game, utilizing Java Swing library for the user interface and object-oriented programming principles to ensure clean and efficient code
- ▶ Designed and implemented the game logic with challenging obstacles and progressive difficulty levels
- ▶ Implemented Java Stack library for optimizing game performance and ensuring cross-platform compatibility
- ▶ Utilized Git version control to manage code changes and track project progress, enabling efficient workflow and streamlined development processes

WORK AND VOLUNTEERING EXPERIENCE

Customer Service Desk, Grocery Clerk | Save-On-Foods

Apr 2022 – Oct 2022

- ▶ Worked in a team of up to 12 co-workers, adjusting activities to meet the daily needs of the store
- ▶ Managed the stocking and cleaning of shelves and answering an average of 50 customer inquiries per shift, with a 96% satisfaction rate
- ▶ Maintained accurate records of hundreds of restocked and transferred inventory items, ensuring the timely and efficient management of merchandise

Skills and Tools: • Point Of Sale (POS) System • Cash Handling • Inventory Stock, Management

Rescue Volunteer | Bangladesh Animal Welfare Foundation

Aug 2019 – May 2021

- ▶ Advocated for responsible pet ownership through community outreach, creating a monthly average of 15-20 posters, brochures, flyers and using Adobe Creative Suite to educate and engage the community in improving the welfare of animal
- ▶ Worked with teams of 5-7 consisting of mostly volunteers and certified veterinarians from all around the city to help rescue an average of 10-15 street animals predominantly dogs into allocated animal shelters each month

Skills and Tools: • Team Collaboration • Veterinary Treatment • Adobe Illustrator • Adobe Premier Pro

Enclosed Letter

Dear Hiring Manager:

I am pleased to provide the following references in support of my application. These individuals can speak to my skills, work ethic, and potential as an individual and as an aspiring software development engineer.

Lehung Nguyen

Former Software Developer, Samsung
PhD Student, Department of Engineering and Computer Engineering,
University of Victoria

Email: lehung.nguyen27@gmail.com

Phone: (236) 990 2709

Lehung is my mentor and my current supervisor (TA) for my current Vex-Robotics engineering project for this semester at the University of Victoria (UVic). He provided valuable guidance and assistance with engineering design principles, as well as helping me understanding many key concepts and overcoming challenges.

Akbar Ali

Software Development Engineer, Amazon Payment Platforms
Former R&D Engineer, Ansys

Email: mail2aliakber@gmail.com

Phone: (250) 813 3070

Akbar has been an invaluable mentor to me, providing guidance and support in all aspects of programming. He taught me the fundamentals of algorithms and data structures and has continued to assist me whenever I've faced any challenges. His continuous guidance and support have played a pivotal role in shaping my career trajectory.

If you require any further information, please do not hesitate to contact me.

Most Sincerely,

Arfaz Hussain

Arfaz Hossain (He/Him/His)

UNOFFICIAL TRANSCRIPT OF STUDIES AT THE UNIVERSITY OF VICTORIA

FOR Arfaz Hossain (V00984826) AS OF 10 May 2023

If you require additional information please consult the University of Victoria calendar
by copying and pasting the following link to your browser: <http://uvic.ca/calendar/>

Course History at the University of Victoria

SESSION	COURSE	DESCRIPTION	UNIT VALUE	GRADE	GRADE POINT	AWARDED UNITS	NOTE	COMPARATIVE MEAN	SIZE
ACADEMIC RECORD FOR UNDERGRADUATE STUDIES EXCLUDING LAW PROGRAMS									
WINTER 2021-2022									
First Term: Sep - Dec 2021									
ENGINEERING B.ENG. (CO-OP ENGINEERING)									
	ENGR 110	DESIGN AND COMMUNICATION I	2.5	76% B	5	2.5		79%	166
	ENGR 130	INTRO TO PROFESSIONAL PRACTICE	0.5	79% B+	6	0.5		87%	204
	MATH 100	CALCULUS:I	1.5	72% B-	4	1.5		72%	209
	MATH 110	MATRIX ALGEBRA FOR ENGINEERS	1.5	75% B	5	1.5		69%	135
Second Term: Jan - Apr 2022									
ENGINEERING B.ENG. (CO-OP ENGINEERING)									
	CSC 111	FUNDMNTL PRGRMNG:ENGR APS	1.5	78% B+	6	1.5		61%	117
	MATH 101	CALCULUS:II	1.5	66% C+	3	1.5		73%	180
	MATH 122	LOGIC AND FOUNDATIONS	1.5	81% A-	7	1.5		73%	75
	PHYS 110	INTRODUCTORY PHYSICS I	1.5	75% B	5	1.5		57%	129
SESSIONAL GPA = 5.04 (05MAY2022)									
CREDIT IN 12.0 UNITS									
IN GOOD ACADEMIC STANDING (05MAY2022)									
SUMMER 2022									
Summer Session: May - Aug 2022									
ENGINEERING B.ENG. (CO-OP ENGINEERING)									
	CSC 115	FUNDAMENTAL PROGRAMING:II	1.5	76% B	5	1.5		74%	91
SESSIONAL GPA = 5.00 (17AUG2022)									
CREDIT IN 1.5 UNITS									
IN GOOD ACADEMIC STANDING (22AUG2022)									
WINTER 2022-2023									
First Term: Sep - Dec 2022									
ENGINEERING B.S.ENG. SOFTWARE ENGINEERING (CO-OP ENGINEERING)									
	CSC 225	ALGORITHMS+DATA STUCT:I	1.5	53% D	1	1.5		73%	196
	ECON 180	INTRO: ECON & FIN PROJECT EVAL	1.5	90% A+	9	1.5		81%	150
	SENG 265	SOFTWARE DEVELOP METHODS	1.5	70% B-	4	1.5		70%	196

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Second Term: Jan - Apr 2023									
ENGINEERING B.S.ENG.									
SOFTWARE ENGINEERING (CO-OP ENGINEERING)									
	CSC 230	COMPUTER ARCHITECTURE	1.5	63% C	2	1.5		73%	133
	ENGR 120	DESIGN AND COMMUNICATION II	2.5	88% A	8	2.5		86%	173
	ENGR 141	ENGINEERING MECHANICS	1.5	65% C+	3	1.5		71%	103
	STAT 260	INTRO PROBABILITY+STAT:I	1.5	65% C+	3	1.5		78%	139
SESSIONAL GPA = 4.61 (08MAY2023)									
CREDIT IN 11.5 UNITS									
IN GOOD ACADEMIC STANDING (08MAY2023)									
CUMULATIVE GPA: 4.84									

SUMMER 2023

Summer Session: May - Aug 2023

ENGINEERING B.S.ENG.

SOFTWARE ENGINEERING

(CO-OP ENGINEERING)

CSC	226	ALGORITHMS+DATA STRUCTURE II	1.5	CONTINUING
PHIL	201	CRITICAL THINKING	1.5	CONTINUING
SENG	275	SOFTWARE TESTING	1.5	CONTINUING
SENG	310	HUMAN COMPUTER INTERACT'N	1.5	CONTINUING

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