**KEY COMPETENCIES**

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

**Productivity and Design:** Visual Studio, Code, Xcode, Android Studio, Microsoft Office

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

**EDUCATION**

University of Victoria, Bachelor of Engineering (B.E.) in Software Engineering (Sep 2021-)

**Current and Past Coursework**: **CSC 111-115** (Fundamentals of Programming I and II),

**CSC 225-226** (Algorithms & Data Structures I and II), **SENG 265-275** (Software Development and Testing),

**CSC 230** (Computer Architecture), **SENG 310** (Human Computer Interaction)

**PERSONAL PROJECTS­­­­**

[**Investment Calculator**](https://github.com/arfazhxss/DCFA) **May 2023 – Current**

www.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

[**IR Sensor Autonomous Robot**](https://github.com/arfazhxss/robotC) **Jan 2023 – Mar 2022**

www.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

[**Portfolio Website**](https://www.arfazhxss.com/) **Sep 2022 – Current**

www.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

[**T-Rex**](https://github.com/arfazhuss/DinoGame.git) **Aug 2022 – Oct 2022**

www.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 Suit 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** ● **Vetenary Treatment** ● **Adobe Illustrator** ● **Adobe Premier Pro**