



Raisa Rafi

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EDUCATION

University of Calgary
Bachelor of Science, Software Engineering

September 2021 - present

TECHNICAL SKILLS

- Java
- Python
- C/C++
- SQL
- JavaScript
- Embedded Systems
- HTML/CSS
- React

PROJECTS

❖ **Wildlife Rescue Centre Scheduler**

Java, SQL

- Developed an efficient scheduler for animals in a rescue centre, given a database of tasks, task duration, and other information
- Information was obtained from the database using MySQL
- The order of the tasks to be completed depended on things like which tasks were smaller or which tasks had a higher priority

❖ **Timer App**

C, Embedded Systems

- Designed a program in C that allowed the user to set a timer using push buttons on a breadboard and begin counting down from the set time
- Once the timer reaches the end, an LED light connected to the breadboard flashes every second
- Use of a microcontroller, an LED light, and push buttons

❖ **Wordle Web Application**

HTML, CSS, JavaScript

- Recreated the famous game Wordle
- Used CSS to style the web application
- Used a mixture of HTML and JavaScript to allow the user to interact with the keyboard on the screen

EXPERIENCE

Schulich Space Rover Team
Software Subteam Member

September 2022 - July 2023

- Achieved hands-on experience working on the camera mounted on the rover
- Took data from camera feeds and streamed the real-time footage onto the screen using Camo