IKAMJOT HUNDAL

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37 Anderson Avenue, Mono, Ontario L9W 6W6

SOFTWARE PROGRAMMER
WEB DEVELOPMENT | PROBLEM-SOLVING | TESTING & QA

- Passion for software engineering with proficiency in multiple programming languages
- Experience in C#, HTML, JavaScript, Java, MySQL, Unix/Linux, Microsoft's NET, Node.js
- Knowledge of Unity Game Engine (2D aspects) and foundations of user-oriented interfaces
- Sound understanding of software development life cycle and Agile methodology
- Able to adapt to new environments, work with others, with a desire to learn

EDUCATION

Software Engineering Technology - Game Programming Advanced Diploma   September 2020 – Present
Centennial College, Toronto, ON

Related Courses:

Programming I, II	Game Programming I
Software Engineering Methodologies	Java Programming
Client-Side Web Development	Unix/Linux Operating Systems
Software Systems Design	Web Interface Design

Academic Projects:

- Developed a web form that allows users to register as a member using HTML, CSS, and JavaScript
- Developed a software program for theatres where it displays the list of currently running movies using C#

PERSONAL PROJECTS

Adventure Game (In Progress—Unity Game Engine & C#)   August 2021 – Present
- Designing a game similar to Zelda concept, where players can interact with objects and attack enemies
- Using state machines, the enemies can patrol or be in sleeping mode until they detect the player
- Optimized the game by creating ScriptableObjects to reduce the data usage for the game

Local 2 Player Tic-Tac-Toe (Unity Game Engine & C#)   December 2020 – January 2021
- Implemented a take-turn system where players take turns in selecting their Xs & Os through a mouse, using
- Debugged to ensure that game won't prevent the players from winning/taking their turns

Flappy Bird Game (Unity Game Engine & C#)   December 2020 – January 2021
- Implemented a repeating/auto scrolling background
- Designed a scoring system where player score points goes up each time the player goes through a narrow gap between obstacles
- Optimized the game by only setting obstacles colliders active on-screen

ADDITIONAL EXPERIENCE

Breakfast Club Assistant (Volunteer)   September 2019 – March 2020
- Organized by Mayfield Secondary School (Caledon, ON) to provide breakfast for students
- Volunteered as a team member to ensure that tasks were completed on time while serving healthy breakfasts to students before the start of the school day

Taekwondo (Instructor's Assistant)   June 2018 – August 2018
- Achieved the level of blackbelt (1st Dan) and helped to train beginner students
- Ensure students were demonstrating correct form throughout movements, including kicks and strikes
- Taught fighting and self-defense techniques to beginner students