Brandon Sin

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GitHub: https://github.com/BrandonSin

Education

University of Calgary   2016 - Present

B.Sc Majoring in **Computer Science** with a **Concentration in Human Computer Interaction**

Relevant Coursework:

Database Management Systems, Principles of Operating Systems, Human-Computer Interaction I, Advanced Programming Techniques, Programming Paradigms, Computer Networks, Design and Analysis Algorithms I, History of Computation, Computing Machinery II, Computing Machinery I, Data Structures and Algorithms, Introduction to Computability, Introduction to Software Engineering

Awards

Alexander Rutherford Scholarship

Skills and Abilities

Technical Languages: Java, Python, C, C++, Assembly Language, Prolog, Haskell, PHP, JavaScript, HTML, SQL, Bash Scripting

Software: MySQL, XAMPP, Eclipse, Visual Studio Code, Oracle VM VirtualBox, Balsamiq, Adobe XD, Microsoft Office Suite, JUnit Testing, JBuilder, Django, Godot

Soft Skills: Teamwork, Flexibility, Communication, Self-management, Eager-to-Learn

Projects

Online Grocery Store (simulation) - PHP, MySQL, HTML, CSS, JavaScript, XAMPP
A web application that allows the user to sign in / add money to wallet / add item to shopping cart and check out. The incentive of the project was to help customers save time in shopping. Used XAMPP to test the development.

Platformer Game - Godot Engine, GDScript, C++
A 2-D platform game designed on the Godot Engine. Used GDScript which is similar to python for designing the game. My incentive to make this game was that I always wanted to incorporate self-made fictional stories into a game.

EcoScan (developing) - SQLite, Angular, Google Cloud Machine Learning
EcoScan is a mobile application on Android that helps users identify the correct way of disposing their trash. The user will take a picture of the item and the app will return a feedback regarding where item belongs.

Work Experience

Tutor - Kumon: After School Math & Reading Programs   2011 - Present
Help students on math and reading homework. Find errors and reasons behind those errors in students' assignments. Learned to be patient when dealing with younger students.