Ryan Abdi

✉ Ryanabdi32@gmail.com 📞 (647) 894-6225 in Ryan-Abdi ⌗ RyanAbdi ⬈ Website

Education

Bachelor of Science - Computer Science,   09/2021 – present
Toronto Metropolitan University (formerly Ryerson University)
GPA: 3.98 (Dean's list)

Skills

Programming Skills
Python, Java, Javascript, Lisp, Lua, C, Rust, Elixir, Pharo Smalltalk, Haskell, HTML, CSS

Software Proficiencies
Fusion 360, Linux, Git, VS code, Blender, VirtualBox, MongoDB

Libraries/Frameworks
PyMongo, Flask, Keyring, Turtle, TKinter, Tensorflow, OpenCV

Professional Experience

Code Ninjas
- Taught programming logic through game development, modding, and scripting using Lua, Javascript, and Scratch.
- Utilized Roblox Studio to guide students in developing Lua scripts to modify game object properties.
- Introduced computer science fundamentals and facilitated game development projects using Scratch.
- Instructed game development using Code Ninjas' Game Development Platform with a focus on Javascript.
- Created and customized Minecraft modifications using Mcreator.
- Managed and optimized Minecraft servers for efficient camp operations, including RAM usage modifications and plugin implementation.

09/2020 - 07/2022

Projects

406 Trades, *Back-end Developer/Database Admin*
- Created a stock trading simulation website
- The website allowed users to buy and sell stocks with simulated money
- Used Alpaca API for stock information and MongoDB for the database
- Worked on authentication for emails and passwords
- Created an account settings page for users to modify account data

Obstacle Course Simulator, *Owner/Developer*
- Created an obstacle course game with 300,000 visits
- Developed front end including a menu and assets in LUA
- Utilized server-side data stores to save players' positions in the obstacle course
- Utilized client-server architecture
- Difficulties arose with the speed at which data can be stored and received on the servers
- Integrated game with purchasing service menu for users to buy level skips.

Password Manager
- Created a password manager in Python
- Uses the Windows Credential Manager to store usernames, passwords
- Users can log into their account using a master password. Once logged in they can view all their usernames and passwords