Ryan Abdi

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Education

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

Skills

Programming Skills	Software Proficiencies	Libraries/Frameworks
Python, Java, Javascript, Lisp, Lua, C, Rust, Elixir, Pharo Smalltalk, Haskell, HTML, CSS	Fusion 360, Linux, Git, VS code, Blender, VirtualBox	PyMongo, Flask, Keyring, Turtle, TKinter

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

References

Nancy Lu, *Co-Owner*, Code Ninjas
nan.lu@codeninjas.com, 647-693-9683

Nikita Berezyuk, *Developer*, MetHacks
416-848-8239

Igal Petel, *Owner*, Sonex Inc
647-654-3325