

Ryan Abdi

✉ Ryanabdi32@gmail.com ☎ (647) 894-6225 in Ryan-Abdi 🌐 RyanAbdi

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

Software Proficiencies

Fusion 360, Linux, Git, VS code

Libraries/Frameworks

PyMongo, Flask, Keyring, Turtle,
TKinter

Professional Experience

Code Ninjas

- Taught programming logic through game development, modding, and scripting using Lua, Javascript, and Scratch
- LUA: using Roblox studio, I helped students develop scripts to modify the properties of game objects
- Scratch: taught computer science fundamentals and helped develop games
- Javascript: taught game development using Code Ninjas' Game Development Platform
- Created modifications for Minecraft using Mcreator
- Created and ran multiple Minecraft servers with plugins allowing camps to run efficiently. Hosted servers on my computer and optimized ram usage by modifying server properties

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