

# Ryan Abdi

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

## Education

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### Bachelor of Science - Computer Science,

09/2021 – present

Toronto Metropolitan University (formerly Ryerson University)

GPA: 3.98 (Dean's list)

## Skills

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### 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

### Libraries/Frameworks

PyMongo, Flask, Keyring, Turtle,  
TKinter

## Professional Experience

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### 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

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### 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

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**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  
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