May 16, 2018

Axiom Zen

980 Howe St #350

Vancouver, BC V6Z 1N9

Dear Hiring Manager,

I discovered a hobby for writing my own personalized automation scripts, when many of my Runescape accounts were removed from the game due to the use of generic free scripts. I would love to have the opportunity to gain more knowledge in this field through collaborating and cooperating with your team.

The automation scripts for the popular online role playing game, Runescape, are written in Java and implement a third party framework with a provided API.After following different tutorials and learning from other successful scripts, I created a combating script supporting different locations and enemies. The automation script is implemented similar to a state machine which performs different actions at different states. To increase user experience and robustness, a Graphic User Interface was implemented using the JFrame class to allow users choose their desired specifications. I found that this had been a very fun and interesting project, so I decided to learn more about game creation by picking up the open-sourced Godot Game Engine. Written in C++ and C# with its own scripting language, the fully integrated game development environment allowed me to create my next project, My Snake Game. I used the built-in 2D physics engine to implement collision detection with polling and event handlers to update the position of my nodes. A main menu was created using different containers to ensure that UI elements will scale well on different screen sizes.

While working at the Thompson Summer Day Camps as a day camp leader, I gained valuable conflict resolution skills while working with children. Children often get into arguments with each other and it was my duty to resolve such issue in a safe and non-biased manner. I found that the most important rule is to remain very calm and listen to both side of the story before reaching a conclusion and deciding what to do. A compromise needs to be reached to satisfy other parties and allow future reconciliation. When stressful or unpredicted situations occur, working cooperatively as a team or seeking for help can sometimes be the most effective resolution. Tasks that may be too large or lengthy to tackle alone can be minimized when help is asked.

I would enjoy the opportunity to meet with you to discuss my qualifications. I can be reached through the UBC science co-op office at interviews@sciencecoop.ubc.ca or 604-822-9513. Thank you for your consideration.

Sincerely,

Jerry Fan