May 14, 2018

Electronic Arts (EA Canada) Inc.

4330 Sanderson Way,

Burnaby, BC V5G 4X1

Dear Ms. MacLean

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, GDScript, the fully integrated game development environment allowed me to create my next project, My Snake Game. This classic game was built using the 2D physic 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. This project allowed the understanding of program lifecycle and the relationships between game components working together like gears to produce a functioning game.

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.

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