May 16, 2018

FI.SPAN

Suite 1180 - 1021 West Hastings Street

Vancouver, BC V6E 0C3

Dear Mr. Hiring Manager,

**Re: F18 Software Developer Coop**

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. The automation scripts written in Java and implement a third party framework with a provided API. I would love to have the opportunity to learn more about APIs while collaborating and cooperating with your team.

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. Furthermore, I have a good understanding of C/C++ programming from taken several university courses. One of my favourite projects was Image Manipulation written in C++ running on a Linux server. We were asked to store a given image in a quad-tree data structure, and then implement functions which would modify the quad-tree and in turn manipulate the image. Other projects include translating C code into assembly language and vice versa, and problem solving using mutexes and semaphores.

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. Small compromises can also satisfy all 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