

## **Harris Warren Yip**

4A Computer Science

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### **SUMMARY OF SKILLS**

- Proficient with programming languages such as C/C++/C#, Objective-C, SQL, HTML5, JavaScript, Java, Lisp, and Turing
- Experienced with using software repositories such as GitHub and Subversion
- Skilled in mobile application development
- Tactical experience with computer hardware building including the reformatting of hard drives and installations of Windows
- Exceptional at adapting to new environment and materials
- Excellent at working with a team as both a leader and a member
- Strong communication and interpersonal skills
- Fluent in speaking and understanding Cantonese and Mandarin and comprehends simple Japanese, Korean and French

### **EDUCATION**

- Candidate for, Bachelor of Computer Science, Honours Computer Science, University of Waterloo, Waterloo, Ontario, Sept 2011 – present
- Ontario Secondary School Diploma (Graduated with Ontario Scholar Award), Pierre Elliott Trudeau High School, Markham, Ontario, June 2011

### **RELEVANT PROJECTS**

**Database Filter**, Desirous Technologies, July – Aug. 2013

- Worked closely with Desirous Technologies to create an application for the client, CGI Group Inc.
- Designed algorithm based on Levenstein's distance to look through a database and filter and find entries that has potential problems
- Implemented algorithm into a C# program to be tested by the client
- Modified program according to the needs and wants of the client

**WATCard and Vending Machine Simulation**, CS246 (Object Oriented Software Development), May – Aug. 2012

- Created a mock environment of the interaction between the vending machine, bottling plant and the usage of the WATCard with my partner
- Allowed users to buy different types of drinks and at different costs
- Made the program flexible to be flexible to cost changes, the addition of WATCards ect.

**Personal Stock Portfolio Simulator**, Grade 12 Computer Science, Sept. – Dec. 2010

- Skillfully programmed a virtual stock exchange portfolio with Java

- Allotted users with a sum of virtual money that could be used to buy and sell stocks in real time
- Simulated real life stock market situations to give user an immersive experience
- Created an appealing user interface that was also easy to use

## **WORK EXPERIENCE**

### **Agile Engineering**

Pivotal Labs, Toronto ON, Jan. 2014 – Apr. 2014

- Developed multiple mobile applications on Android, iOS, Web and Windows Phone 8/ Surface
- Utilized GitHub for version control
- Contributed to project management meetings by addressing problems and outlining possible solutions
- Organized project tasks by using Pivotal Tracker
- Familiar with the Agile Paired Programming development process with Test Driven Development principles

### **Database/Applications Developer**

Quanser, Markham ON, May 2013 – Aug. 2013

- Systematically led meetings on the new applications created for the company
- Resourcefully created web applications to increase productivity of company greatly
- Methodically optimized the WebPortal for faster database access and usage
- Thoroughly assisted in database management and data extraction
- Persistently cleaned up and modified code to increase readability and general work flow
- Actively searched for and fixed bugs encountered on the company WebPortal

### **Junior Network Administrator**

Procom, Toronto ON, Sept. 2012 – Dec. 2012

- Assisted with the company move by keeping track of all technological equipment
- Constructed and setup computers to the specifications of the end user
- Ensured safe shipment of computers Canada wide
- Diligently responded to problems and concerns of the employees in all the branches of the company
- Efficiently solved IT related problems with minimal aid from superiors