Olivia Kim

2A Mechatronics Engineering
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SUMMARY OF QUALIFICATIONS

o Proficient in C++, Java, HTML, CSS, JQuery and JavaScript

o Strong understanding of Subversion software version control system as well as experience with Unit Testing using the Mockito API

o Exceptional troubleshooting and problem solving skills; excellent ability to learn and adapt to fast-paced work environments

o Experience with Requirements Engineering and interaction with customers; exceptional communication and inter-personal skills

o Active NATO-SECRET Security clearance

PERSONAL PROJECTS

Pixel Perfect Piece of Pizza Bot (PPPPB)

Pixel Perfect Piece of Pizza provides a quick and easy way to order pizza. One can engage in a conversation with the PPPPB, and will be asked a series of questions regarding their order, rather than filling out long on-line forms or ordering pizza via phone. The PPPB was created at the Kik Hackathon hosted at the University of Waterloo and was awarded first place.

Robotic Candy Sorter (The "Catasort")

The Catasort is a robotic candy sorting machine that catapults different colored candy into their respective bins based on color. This project was created using various Lego Mindstorms sensors and was written in Robot C. This project was created organically, beginning with a self-created mechanical design. This design then came to life in Waterloo's machine shop and was integrated with the software.

Personal Website

My personal website was my first independent technical project. It houses information about me; resume, projects and contact information. GUI, animations and other logic are displayed using HTML, CSS, JavaScript and JQuery.

In The Loop

In The Loop is a mobile app for Android that combines all categories of news into one simple interface. A short 20-60 second video on each topic at the touch of a button allows for commuters, students and busy individuals to stay "In The Loop" at all times.

Photography Website

This website is currently under construction. It will be created to hold and display collections of photos. Positioning and layout of photos will be optimized for best responsive design.

EMPLOYMENT

Software Developer

Lockheed Martin Canada (LMC), Halifax, NS, Sept. – Dec. 2014

- o Implemented 3d logic to animate software representations of mechanical parts for a training simulation software
- o Designed and integrated classes and factories to simplify and eliminate duplicate code
- o Designed and implemented graphical user interface (GUI) components of the simulation to further enhance the user experience
- o Studied and examined the functionality of the mechanism being simulated in order to fully understand and accurately implement its software representation
- o Cooperated with customer to meet and change Requirements as needed
- o Fixed and created unit tests using the Mockito mock library

IT Service Analyst

Ontario Securities Commission (OSC), Toronto, ON, Jan. – Apr. 2014

- o Provided daily technical and administrative support to the staff of the OSC
- o Solved hardware & software issues related to computing, printing, telephony and mobile devices
- o Configured computers, monitors, printers and telephones and educated OSC staff on their use

EDUCATION

- o Candidate for Bachelor of Mechatronics Engineering, Co-operative Education Program, University of Waterloo (Sept. 2013 – Present)
- o Recipient of President's Scholarship of Distinction - awarded to students with average above 90% upon entrance to Waterloo (Sept. 2013)