

# Peter Li

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## SKILLS

### PROGRAMMING

Proficient

Java • Android • C# • C++ • C

Experienced

Javascript • AngularJS • jQuery • HTML  
• SQL • MongoDB • NodeJS • Assembly

Worked with

iOS • Python • Lua • PHP • ASP •  
Silverlight • MVC design

## EDUCATION

### UNIVERSITY OF WATERLOO

Candidate for Bachelors in Software  
Engineering

Term 2A | Expected 2018 | Waterloo, ON

## AWARDS

### VEX Robotics World Championship

Won regionals and competed in  
internationals

## EXPERIENCE

### IMAGINE COMMUNICATIONS | APPLICATION DEVELOPER

May 2014 – Aug 2014 | Waterloo, ON

- Developed an internal progress dashboard to record and monitor employee efficiency using AngularJS and Bootstrap
- Designed a RESTful route handler API in C# for the progress dashboard with exception/error propagation
- Maintained existing software systems, bug fixes in Silverlight frontend and C# backend

### IVY GLOBAL EDUCATION | JUNIOR WEB DEVELOPER

July 2012 – Aug 2012 | Toronto, ON

- Developed an RSS news feed using Google Feed API. Write a PHP script to find trending topics from popular news sites
- Created, updated, and maintained functionality and content of web pages using JQuery, Javascript, and HTML

## PROJECTS

### BUBBLESCAPE Original Android game

- Led, architected, and managed the project over the entire development cycle
- Assigned tasks to other developers and organized meetings and set deadlines
- Implemented object collisions, animations, character AI, game logic, and unique swipe controls
- 300+ installs on Google Play store

### MYONNAISE Hack the North hackathon project

- A desktop navigation menu for Windows using arm and hand gestures with Myo
- Developed gesture recognition scripts in Lua for scrolling and overlay focus control

(Below are projects using my own custom Java framework, PCPC)

### PC PWNS CONSOLE (PCPC) Custom Java Framework

- Designed to be used as a framework for faster and easier development for applications
- Provides methods for accessible file I/O, text I/O, audio, graphics, and socket connections
- Used to develop games, messengers, and GUI applications

### STEGANOGRAPHER Image steganography tool

- Encodes and decodes images and text within other images by bit manipulating RGB values

### PATHERY A "Find the longest path" game. Clone of Pathery.com

- Developed a custom JSON parser from scratch to read map info from Pathery.com
- Implemented Breadth First Search to determine the shortest path

### ONLINE CHECKERS Classic checkers

- A multiplayer checkers game using socket connections over LAN

## INTERESTS & HOBBIES

Piano, Jazz

Active Overclock.net member

Competitive FPS gamer

eSports

Table Tennis

Anime, Gaki no Tsukai

## LINKS

Github:// [tyuo9980](#)

LinkedIn:// [tyuo9980](#)