

Jonathan Tsang

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Fluent: **Python, C, Unity C#, Javascript, HTML, CSS, Git** Knowledgeable in: **Java** Learning: **Nodejs, C++**

Notable Projects

BomberAI

April 2017

Developer

C#, Unity, IBM Watson API

- Built at HackPrinceton, Bomberman style game with player moving and placing bombs
- Enemy AI powered by IBM Watson Tradeoff Analytics API

MyFlaws

March 2017 – April 2017

Developer

C#, Unity

- Experimental platformer built with top down movement, puzzle, and rpg, game elements
- Object-orientated game design and incorporation movement physics and persistent data

PocketMonitor

February 2017

Developer

Javascript, YouTube Player API

- Chrome extension that opens resizable browser sized video

Top Down Shooter

February 2017 – March 2017

Developer

C#, Unity

- Top down shooter with waves of zombies spawning
- Utilized bullet physics, collisions, and persistent data

Education

University of Waterloo

Honours Computer Science with Co-op | Expected Graduation 2020

Courses: Elementary Algorithm Design and Data Abstraction, Linear Algebra, Probability, and Statistics

Work and Co-op Experience

SurfEasy

January 2017 – April 2017 | Toronto, ON

QA Analyst

Java, Appium, Selenium

- Developed the automation tests for iOS written in Java, using Selenium iOS Driver, Appium
- Tested different VPNs made by SurfEasy on iOS, Android, and Desktop (Mac and Windows)
- Worked with developers to log bugs found in the software
- Ran minimum regression test suites to check the quality and status of production software

SchoolMessenger

January 2016 – April 2016 | Toronto, ON

Web Analyst

HTML, CSS, Javascript

- Efficiently migrated content from clients' websites using Cygwin and Regular Expressions
- Utilized, HTML, CSS, and Javascript knowledge to clean and format clients' website content
- Built school notification apps for the clients' using an app builder

Volunteer Experience

Hack the North 2016 Volunteer

September 2016 | Waterloo, ON

- Supervised hackers at Hack the North 2016 building and discussed the hackers' projects
- Set-up Hack the North, signed hackers in at check-in, and distributed Hack the North materials to the hackers
- Upon sponsor check-in and set-up, made sure that their booths were prepared for hackers

Science 2015 Orientation Leader

January 2015 – September 2015 | Waterloo, ON

- Oversaw incoming first year students as a frontline leader
- Lead the orientation group in morning activities, supervised and mentored students

Feds Food Bank Volunteer

February 2015 – September 2016 | Waterloo, ON

- Distributed food to people using the food bank

Awards and Interests:

- Velocity Residence alumni, coded and discussed start-up ideas with other residents
- Top 30th percentile in Leetcode Weekly Coding Competitions
- 2nd place team in Major League Hacking cup stacking at UofT Hacks
- 7th in the Mikes Bikes World Championship 2014 competing against national teams by formulating strategies to sell the most bikes in the Mikes Bikes simulator