Jonathan Tsang

</> jonathantsang.github.io   ✉ j26tsang@uwaterloo.ca   ○ jonathantsang   in jonathan-tsang

Education

University of Waterloo   **B.Sc : Computer Science**   2014 - 2019
- Software Developement | Algorithm Design | Data Abstraction Structures | Object Orientated Design

Skills

Languages: Python | JavaScript | C++ | C#   **Technologies:** Git | HTML/CSS | Node.js | Heroku | Unity

Professional Experience

QA Analyst   **SurfEasy**   January - May 2017
- Developed the automation tests for iOS in **Java**, using Appium iOS Driver
- Analyze VPNs made by SurfEasy on iOS, Android, and Desktop for Mac and Windows
- Worked in an **Agile Environment** alongside developers to log and fix bugs found in the software

Web Analyst   **West Corporation**   January - May 2017
- Cut migration time of clients' websites in half by using **Regular Expressions**
- Used **HTML, CSS, and Javascript** knowledge to clean and format clients' website content
- Built school notification apps for the clients' using an app builder

Projects

BomberAI   **HackPrinceton 2017**
- Written in **C# and Unity**, Bomberman style game with player moving and placing bombs
- Enemy AI powered by IBM Watson Tradeoff Analytics **API** and IBM Watson Unity SDK

PictureVisualizer   **Personal Project 2017**
- Used Google Custom Search API to create images
- Incorporates **full stack** concepts with HTML frontend and jQuery, SocketIO, and Nodejs backend

Microtransaction Simulator   **Personal Project 2017**
- Probability based game built on the saturated microtransaction market
- Built using C#, Unity, and **Steam Developer APIs** and deployed to SteamWorks CDN for distribution
- Released to the **Steam Store** on September 15th 2017

Volunteering and Activites

Hack the North 2016   **Volunteer**   Fall 2016
- Supervised hackers at Hack the North 2016 building and discussed the hackers' project
- Set-up Hack the North, signed hackers in at check-in, and distributed Hack the North materials

Waterloo Orientation   **Leader**   Fall 2015, Fall 2017
- Lead the orientation group in morning activities, supervised and mentored students
- Oversaw incoming first year students as a frontline leader

Velocity Residence alumni | **Hackathon** Enthusiast | Ranked top 25% in Leetcode Competitions