

Jonathan Tsang

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Skills

Languages: C++ | Python | JavaScript | C# | Java **Technologies:** Git | Node.js | jQuery | Heroku | Unity | Android

Professional Experience

Software Engineer **Okta**

May - August 2018

- Used **Java, Spring, and Hibernate (SQL) in the backend, and Backbone.js** for front end
- Created REST endpoints for fetching attributes in a multi tenanted environment.
- Won the **most creative hack** at the Okta intern hackathon

QA Analyst **SurfEasy**

January - April 2017

- Developed automation tests for iOS in **Java**, using Appium iOS Driver
- Ran regression tests for 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 - April 2016

- Used **HTML, CSS, and Javascript** knowledge to migrate clients' website content

Public Projects

Microtransaction Simulator **Personal Project 2017**

- Published to the **Steam Store** in September 2017 with over **45,000 players and over 90% positive** ratings
- Developed a probability based game built on the saturated microtransaction market
- Built using C#, Unity, and **Steam Developer APIs** and deployed to SteamWorks CDN

Investera **MHacksX Winning Project**

- **Won at MHacksX among over 1200 attendees** for the **best use of Wolfram API and MixMax API**
- Utilized Mixmax slash commands for stocks embedded in emails using Wolfram API; supports stocks data, stock comparisons, and date ranges in the graphs
- Allowed data visualization in emails such as plotting graphs, cryptocurrency price embedding, and company descriptions using Coinbase API and Blackrock API

What's On the Menu **HackPrinceton 2018 Winning Project**

- Created a **computer vision Android app** that recognized text on a menu and showed photos of that dish
- **Developed the backend API call to Google Custom Search to get the image urls**
- Coded the app in **Java and Android Studio**

Education

University of Waterloo **Bachelor of Computer Science, Co-op, 4B**

Class of 2020

- Minor in Combinatorics and Optimization
- Courses: Cryptography, Algorithms, Operating Systems, Object-Oriented Software Development, Graphics

Hackathons

- Best use of MixMax API and Wolfram Alpha API at MHacksX
- Storj API award at ETHWaterloo
- Most sustainable hack at HackPrinceton 2018