

Tiger Zhao

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EDUCATION

University of Waterloo

Software Engineering 2021

92.57% Avg

Dean's Honour List

TECHNICAL SKILLS

Java

Python

C/C++

JavaScript

SQL

HTML

CSS

PHP

TOOLS

Unity3D

Android

TensorFlow

Matlab/Octave

Git

Linux

Bash & Terminal

Apache

Maven

Jira

INTERESTS

Hackathons

Playing Alto Sax

Speed Cubing

Weight Lifting

EXPERIENCE

Yahoo! | Software Engineering Intern

(May 2017 - August 2017)

Sunnyvale, CA

- Developed software using **Java** for Yahoo's **Ad Platform** as a member of their **DSP serving backend** team and worked in a **Scrum** environment
- Increased bid server capacity by **2x** through filtering unwanted bid requests and modifying the bid flow
- Migrated configurations to the **database** and loaded them in a cache to make configurations more versatile
- Added support for new ad type in the **API** with **JPA Hibernate**
- Implemented **Consistent Weighted Hashing** for user load distribution on servers

Marketcircle | QA Intern

(July 2016 - August 2016)

Toronto, ON

- Performed **quality assurance** of Mac and IOS CRM software
- Tracked bugs and tested new versions of software using **JIRA** and **Bamboo**
- Communicated daily with developers to organize software bugs

Seneca College CDOT | Intern

(August 2015)

Toronto, ON

- Worked with the OSTEP-LEAP team in **packaging CentOS** for ARM servers
- Wrote **Bash and Python scripts** to organize and maintain testing servers
- Packaged Bash and Python scripts using RPM on Fedora Linux
- Installed and set up **ARM servers** for testing

PROJECTS

DecisionKitchen

(Python, TensorFlow, Native IOS/Android, Firebase)

- Created an app that decides where a group of people should eat at AngelHack SV
- Collected restaurant preferences from the group and used those as features in a **machine learning model** with **TensorFlow** to choose the most optimal restaurant
- Fetched restaurant data from **Yelp** and stored it using **Firebase**

PyVoiceControl

(Python, Google Cloud, Tesseract OCR, Tkinter)

- Created a voice control program that allows for **full control of computer**
- Implemented **mouse control** by converting **speech to text** and using an OCR to search the text on the screen for the cursor to move towards
- Added **keyboard control** by converting the speech to keystrokes

Reddit World

(Java, Native Android)

- Created a **multiplayer RPG reddit browser** at Hack The North
- Converted subreddit posts into interactive objects in a 2D world and created an Android app for users to explore the world and socialize with other users

Merger (Puzzle Game)

(Java, JavaScript, Unity3D)

- Created and published an **android puzzle game** on the Google Play Store
- Implemented a level designer with Java to easily design puzzles

Really Easy Bibliography

(Python, HTML, CSS, PHP, Bootstrap)

- Created an **MLA citation generator** and academic **article finder**
- Took key terms as input and searched Google Scholar for relevant articles and displays them with citations

COURSES

Machine Learning (Coursera: Stanford University)

- Linear/Logistic Regression, Neural Nets, K-Means, PCA, SVMs, Octave