

Alex Sin Hang Wu

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EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE

- With Business Option
 - With Software Eng. Option
- Expected August 2017

LINKS

Website: alex-sh-wu.github.io

Github: github.com/alex-sh-wu

LinkedIn: ca.linkedin.com/in/alexshwu

PROGRAMMING

Proficient:

- JavaScript ES6
- C++
- Python

In Progress:

- Android/Java
- Objective-C
- \LaTeX

SKILLS

TECHNOLOGIES

- OpenCV
- React
- D3.js
- Android Studio
- Xcode
- Appcelerator
- Unix
- Git
- Electron Atom

HOBBIES

- Biking
- Cooking
- Playing sports
- Gaming (Hearthstone, L4D2)

EXTRACURRICULARS

- Captain - Dodgeball Intramural
- Participant - Volleyball Intramural
- Member - Computer Science Club

ACHIEVEMENTS

- Increased Metroland's iOS app rating from 1 star to 4 stars
- Reduced product calibration time from 30 min to 3 min at Voltera
- Ranked in the top 10% of a 5 month team programming competition (Dwite)

WORK

SOFTWARE DEVELOPER | VOLTERA

Jan 2016 – Apr 2016 | Toronto, ON

- Automated printer axis calibration by writing code that used a camera to perform imaging processing algorithms [OpenCV, Python, Pyserial]
- Migrated the printer application code to use React, Redux, and Electron
- Recreated a major feature of the application - Print

IOS DEVELOPER (XCODE) | SPRINGBOARD DATA MANAGEMENT

May 2015 – Aug 2015 | Toronto, ON

- Developed the company iOS app from scratch and published it to the app store with minimal guidance [Objective C]
- Designed custom UI structures to replace native structures, which did not provide the desired user experience
- Created pages for the company internal website using HTML, CSS, Javascript, and FusionCharts XT

MOBILE DEVELOPER (APPCCELERATOR) | METROLAND MEDIA

Sep 2014 – Dec 2014 | Toronto, ON

- Improved the overall rating of the mobile app, Save.ca (Android & iOS)
- Implemented a shopping list feature that synchronizes between the browser and the mobile app
- Fixed bugs and refactored code to improve stability, readability, and speed

FULL STACK DEVELOPER | RUBIKLOUD

Jun 2013 – Aug 2013 | Toronto, ON

- Created dashboard functions that transform data sets into useful SVG charts (e.g. bar graph, pie chart) [JavaScript, d3.js]
- Fixed bugs and maintained code in the Python backend [Tornado framework]

RELEVANT EXPERIENCE AND PROJECTS

HACK THE NORTH

36 HOUR HACKATHON

Sep 2015

- Built a native Android app from scratch in a team of four [Android Studio, MySQL, phpMyAdmin]
- Worked in a team wrote the back-end and interface layer

ANDROID MOBILE APP

TIC TAC TOE

Jun 2014

- Implemented an A.I. that uses the min-max algorithm to determine its moves