Alex Sin Hang Wu

alex.sh.wu@edu.uwaterloo.ca | (647) 867-1553
142 Verdi Road, Richmond Hill, Canada

SKILLS

PROGRAMMING

Proficient:
- JavaScript (ES6)
- C++
- Python

Familiar With:
- Android/Java
- Objective-C
- LaTeX

TECHNOLOGIES

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

LINKS

Website: alex-sh-wu.github.io
Github: github.com/alex-sh-wu
LinkedIn: ca.linkedin.com/in/alexshwu

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE
- With Business Option

Sep 2012 - Aug 2017

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 by prompting for feedback when the estimated user satisfaction was at its peak
- Reduced printer calibration time by 90% through automation at Voltera
- Ranked in the top 10% of a 5 month Canadian high school team programming competition (Dwite)

WORK

FULL STACK SOFTWARE DEVELOPER | ENCIRCLE

Sep 2016 – Dec 2016 | Waterloo, ON

- Streamlined and redesigned UI to remove confusion from user experience
- Picked up technology stack quickly and brought other co-ops up to speed

SOFTWARE DEVELOPER | VOLTERA

Jan 2016 – Apr 2016 | Waterloo, ON

- Automated printer axis calibration by utilizing imaging processing algorithms from OpenCV [Python, Pyserial]
- Rewrote the printer application code to use React, Redux, and Electron

IOS DEVELOPER (XCODE) | SPRINGBOARD DATA MANAGEMENT

May 2015 – Aug 2015 | Mississauga, ON

- Developed and published the company iOS app (data analytics dashboard) with minimal guidance [Objective C]
- Designed a custom table view that expands and shrinks to provide better user experience
- Created web pages for the internal company website to show data analytics using HTML, CSS, Javascript, and FusionCharts XT

MOBILE DEVELOPER (APPCELERATOR) | METROLAND MEDIA

Sep 2014 – Dec 2014 | Toronto, ON

- Improved the app store rating of the Save.ca mobile app (both Android & iOS)
- Implemented the shopping list feature that synchronizes user data 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]

RELEVANT PROJECTS

ANDROID MOBILE APP

JOIN ME

Sep 2015

- Wrote API to handle incoming and outgoing data with MySQL and PHP
- Worked in a team of four to create a social media app during Hack the North

TIC TAC TOE

Jun 2014

- Implemented an A.I. that uses the min-max algorithm to optmize its next move