

ANDREW CHOI

a24choi@uwaterloo.ca
www.linkedin.com/in/a24choi
<http://andrewchoi.me/>

2B Computer Engineering
University of Waterloo

Princess Avenue
Vancouver, British Columbia
(519) 635-0095

QUALIFICATION SUMMARY

- Languages: C, C++, C#, Java, Swift, PHP, Python, CSS3, JavaScript, VHDL, XML, MATLAB, ARM Assembly.
- Experienced w/ Git, Bash, Bootstrap, D3.js, jQuery, AngularJS, JSON, Node.js, RequireJS, NPM, IBM Bluemix, Watsons APIs.
- Software: Eclipse, Android SDK, Visual Studio, Xcode, Photoshop, Altera Quartus, PGAdmin, MS SQL Studio, Keil µVision.
- Hardware: Integrated circuits, solenoids, transistors, multimeters, FPGA, Altera DE2 development board.
- In all co-op work terms, received an employer evaluation of **Outstanding Performance***, a rating reserved for only those few students who have distinguished themselves by their unique contribution or exceptional performance.

PROFESSIONAL EXPERIENCE

IBM

iOS Developer

April 2016 – Present | Toronto, ON

- As an iOS Developer, Worked with the mobile application development team on innovative iPhone applications using OOP, and database server applications. Served under the GBS Unit to integrate multiple IBM Bluemix APIs and services for mobile iOS (iPad, Apple TV) apps, including IBM Watson API, Text-to-Speech, Speech-to-Text, Dialog, Alchemy, etc.
- As a Hybrid Mobile Application Developer, developed using mobile web technologies (HTML5, JavaScript, CSS3), as well as hybrid technologies such as IBM MobileFirst, and Apache Cordova, to construct Hybrid mobile applications. Incorporated JavaScript frameworks such as AngularJS, BackboneJS, KnockoutJS, Dojo, Sencha Touch, jQuery, jQuery Mobile and Node.js. Internet of Things (IoT's), Apple TV, IBM Watson, IBM BlueMix, SensorTag, IBM DeveloperWorks.

IBM

Android Developer

Jan 2016 – April 2016 | Toronto, ON

Outstanding Evaluation*

- Incorporated various hardware technologies, including the Texas Instrument's SimpleLink™ Bluetooth Smart® / Multi-Standard SensorTag CC2650 STK in order to implement an IoT Device (Internet of Things). Utilized the low-power BLE MEMS sensors and Bluetooth RSSI values to implement new PoCs as well as to create real-life use cases (Java, Android Studio IDE).
- Developed rich mobile and web user interfaces, component as well as widgets, using different solution development methodologies, including Waterfall, Agile, and Extreme Programming. Incorporated a variety of server side technologies, including J2EE, Spring Framework, Hibernate, Node.js, Python, and PHP.

BLACKBERRY

Service Tools Developer

May 2015 – Aug 2015 | Waterloo, ON

Outstanding Evaluation*

- Worked with the Service Governance team as a co-op, was responsible for the development of enhancements and design modifications to existing BB10 applications (HOTS) & revamped websites (BBAR Client & GreenState) that support the major BlackBerry Service Product offerings, including Enterprise, Messaging, Handheld. Utilized CSS, JavaScript, JQuery, Bootstrap, Node.js, MS SQL, PHP, AJAX, D3.js, HighCharts.
- Worked with BlackBerry Service Measurement of program managers and analysts to ensure the timely delivery of enhancements following a weekly Agile sprint cycle. Worked with BBM features, including BBM Meetings, Protected, Stickers, Voice Chat, Cross Platform Capability, as well as RIM internal JIRA.
- Utilizing Git, NPM, Moment.js, AngularJS, Python, GitLab, revamped internal BlackBerry server websites that a large number of product managers use, for a mobile-friendly UI/UX, enabling the increase in efficiency.

EDUCATION

UNIVERSITY OF WATERLOO

Bachelor of Applied Science: Honours Computer Engineering

Sept 2014 – April 2019 | Waterloo, ON

- Courses: Digital Circuits & System, Embedded Systems, Digital Computers, Electronic Circuits, Algorithms & Data Structures.

SCHOLARSHIP & AWARD

WATERLOO ARTHUR F. CHURCH ENTRANCE SCHOLARSHIP

Sept 4, 2014 | Waterloo, ON

In addition to President's Scholarship of Distinction

- **Highest scholarship** offered by University of Waterloo to **1 student** in the Computer Engineering class of 2019.
- Presented to student w/ exemplary extracurricular activities/exceptional academic standing upon entrance (**99%** average).