ANDREW CHOI

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Computer Engineering, 2B
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QUALIFICATION SUMMARY

- Languages: C, C++, C#, Java, Swift, PHP, Python, CSS3, JavaScript, VHDL, XML, MATLAB, ARM Assembly.
- Experienced w/ Git, Bash, Unix, Linux, D3, jQuery, AngularJS, JSON, Node.js, RequireJS, NPM, 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 — May 2016 to Present | Toronto, ON
iOS Developer

- 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 Bluemix APIs and services for mobile iOS (iPad, Apple TV) apps, including Watson API, Text-to-Spseech, Speech-to-Text, Dialog, Alchemy, etc.
- As a Hybrid Mobile App Developer, developed using mobile web technologies (HTML5, JavaScript, CSS3), MobileFirst, and Apache Cordova, to construct Hybrid mobile apps. Incorporated JavaScript frameworks such as AngularJS, BackBoneJS, KnockoutJS, Dojo, Sencha Touch, jQuery, Node.js. IoT's, Apple TV, SensorTag, DeveloperWorks.

IBM — Jan 2016 – April 2016 | Toronto, ON
Android Developer — 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. 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 — May 2015 – Aug 2015 | Waterloo, ON
BlackBerry Service Tools Developer — Outstanding Evaluation*

- Worked with Service Governance team as a co-op, was responsible for development of enhancements & modifications to existing BB10 applications (HOTS) & revamped websites (BBAR Client & GreenState) that support major BlackBerry Service Product offerings, including Enterprise, Messaging, Handheld. Utilized CSS, JavaScript, JQuery, Bootstrap, Node.js, MS SQL, PHP, AJAX, D3.js, HighCharts.js.
- 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, resulting in the increase of efficiency.

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Applied Science: Computer Engineering (Honours) | Sept 2014 – April 2019

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

SCHOLARSHIP & AWARD

WATERLOO ARTHUR F. CHURCH ENTRANCE SCHOLARSHIP — Sept 4, 2014 | Waterloo, ON

- 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).