

ANDREW CHOI

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QUALIFICATION

- Languages: C, C++, C#, Java, Swift, PHP, Python, JavaScript, VHDL, XML, MATLAB, ARM Assembly.
- Environment: Git, Bash, Unix, Linux, D3, jQuery, AngularJS, JSON, Node.js, RequireJS, NPM, Bluemix, Watsons APIs.
- Tools: 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 Intern

May 2016 - Present

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- Led the Interactive Experience Mobile Team composed of 10 architects, analysts, software developers, engineers, taking the full initiative as the only full-stack single developer writing 2 complex software, namely Digital Innovation Lab and Watson Machine Learning-based Robot applications, plus database server applications end-to-end.
- Environment & Frameworks (15): AngularJS, BackboneJS, KnockoutJS, Dojo, Sencha Touch, jQuery, Node.js, SensorTag, MobileFirst, DeveloperWorks, Apache Cordova, Watson APIs: Text-to-Speech, Speech-to-Text, Dialog, Alchemy.



[IBM](#)

Android Developer Intern

Jan – Apr 2016

[Outstanding Evaluation*](#)

- Led the Android team composed of 5 solution architects, graphic designers and developers, fully incorporating various hardware technologies, including the Texas Instrument's SimpleLink™ Bluetooth Smart® / Multi-Standard SensorTag CC2650 STK in order to implement an Internet of Things 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.
- Environment & Frameworks (12): Server - J2EE, Spring Framework, Hibernate, Node.js, Python, PHP. Solution methodologies - Waterfall, Agile, Extreme Programming. Java, Android Studio IDE.



[BLACKBERRY](#)

Service Tools Developer Intern

May – Aug 2015

[Outstanding Evaluation*](#)

- Led the Service Governance team of 9 architects, developers, and analysts, completely implementing the enhancements & modifications to existing BB10 applications (HOTS) & web applications (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.

EDUCATION

[UNIVERSITY OF WATERLOO](#)

Sept 2014 – Apr 2019

Bachelor of Applied Science: [Computer Engineering](#)

- [Courses](#): Digital Circuits & System, Embedded Systems, Digital Computers, Electronic Circuit, Algorithm & Data Structures.

SCHOLARSHIP

[WATERLOO ARTHUR F. CHURCH ENTRANCE SCHOLARSHIP](#)

Sept 2014

- [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](#)).