

ANDREW CHOI

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QUALIFICATIONS

- Languages: C, C++, C#, Java, JavaScript, CoffeeScript, Swift, PHP, Python, Ruby, MATLAB, Bash.
- Environment & Libraries: iOS, OS X, Windows, Android, Linux, Unix, jQuery, AngularJS, Node.js, D3, RequireJS.
- Tools: Visual Studio, Eclipse, Xcode, Sublime Text, Git, MS SQL Studio, NPM, Bluemix, Watson APIs.
- Hardware: Integrated circuits, solenoids, transistors, multimeters, FPGA, Altera DE2.
- 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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- As a full-stack developer, took full ownership and responsibility over developing Mojio API iOS application, Node.js & Laravel Digital Innovation Lab application, and Watson Machine Learning-based NAO Robot application end-to-end, within the Interactive Experience Mobile Team composed of 10 architects, analysts, software developers, engineers.
- Environment & Frameworks (16): AngularJS, BackboneJS, KnockoutJS, Dojo, Sencha Touch, jQuery, Node.js, SensorTag, MobileFirst, DeveloperWorks, Apache Cordova, PHP Laravel, Watson APIs: Text-to-Speech, Speech-to-Text, Dialog, Alchemy.



[IBM](#)

Android Developer Intern

Jan – Apr 2016

[Outstanding Evaluation*](#)

- Took full initiative and ownership over integrating and incorporating untouched hardware-software technologies, including the Texas Instrument's SimpleLink™ Bluetooth Smart® / Multi-Standard SensorTag CC2650 STK to implement an Internet of Things device prototype, in an Android team of 5 solution architects, graphic designers and developers.
- 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*](#)

- Carried out full-stack development in implementing the enhancements & modifications to critical BB10 applications (HOTS) & web applications (BBAR Client & GreenState) that support major BlackBerry Service Product offerings, including Enterprise, Messaging, Handheld in the Service Governance team composed of 9 architects, developers, and analysts. Utilized CSS, JavaScript, JQuery, Bootstrap, Node.js, MS SQL, PHP, AJAX, D3.js, HighCharts.js.
- Collaborated 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.
- Fully revamped BlackBerry server web applications that a 20+ product managers and analysts use, for a mobile-friendly UI & UX, utilizing Git, NPM, Moment.js, AngularJS, Python, GitLab.

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](#)).