

Qualifications

andrewchoi5@hotmail.com | (415) 463-9024 | Computer Engineering (Honors)

- Front End Tech: Vue.js, Ionic 4, Bootstrap, CodeKit, Meteor, React, Angular, Flutter, React Native, Ember, Preact, Svelte
- Languages: Java, Python, C, C++, C#, Objective-C, JavaScript, PHP, Ruby, Swift, Bash
- Data Engineering: Kafka, ZooKeeper, Spark, Hadoop, NoSQL, MSSQL, MySQL, CloudantDB, MongoDB
- Environments: iOS, OS X, Azure, AWS, D3, Node.js, *nix, ActionHero.js, Android, jQuery, Npm, Grunt

Professional Experience



Microsoft

April 2019 –

Software Engineer | San Francisco Bay Area, CA

- Designed the architecture for Kafka deployed on Azure VM Scale Sets and for Kafka broker ID generation for Azure.
- Increased the open source daily users by 58%+ for Kafka Monitor by releasing / committing robust, fault-tolerant monitoring features that produce cluster latency and availability metrics. <https://github.com/linkedin/kafka-monitor>



Microsoft

Aug 2018 – Dec 2018

Software Engineering Intern | San Francisco Bay Area, CA

Outstanding Performance Evaluation

- Proposed, designed, implemented, and productionalized a Java library of API for Kafka clusters running on Microsoft Azure cloud, which automates the attachment processes of managed disks and file systems on Linux virtual machines.
- Streamlined Kafka, restructuring in a way that makes it compatible with Azure virtual machines and its cloud resources.



Snapchat

Jan 2018 – May 2018

Software Engineering Intern | Los Angeles, CA

Outstanding Performance valuation

- Pipelined, stored streams of big data, and productionized scalable stream processing applications for events real time.
- Constructed real-time streaming applications that transform or react to big data including Apache Spark jobs.
- Using Google Pub/Sub, retained publishing and subscription-based streams of records on Apache Kafka.



Snapchat

May 2017 – Sept 2017

Software Engineering Intern | San Francisco, CA

Outstanding Performance Evaluation

- Implemented critical, performant features to the Snapchat app using Google BigTable, XCode, Objective-C, and Python.
- Instituted a binary curation experience which trains the Snapchat ML / DL model with system-fed image objects.



IBM

May 2016 – Sept 2016

Software Engineering Intern | Toronto

Outstanding Performance Evaluation

- Designed, and formulated Corporate Guest Check-In iPad app, Watson Financial Advisor iPad app, ODIN Recruiter tool using MySQL, CloudantDB, Objective-C, Swift, IBM Cloud, ML API's like Natural Language Processing.
- Administered end-to-end Node.js web portal using PHP & Laravel Framework to exhibit projects by full-time SWEs.



IBM

Jan 2016 – May 2016

Software Engineering Intern | Toronto

Outstanding Performance Evaluation

- Took full initiative over TI Bluetooth SensorTag CC2650 to implement a performant IoT prototype using Java, MySQL, CloudantDB, and Machine Learning APIs including Natural Language Processing, Text-to-Speech, Speech-to-Text.
- Leveraged a low-power BLE MEMS sensors and Bluetooth RSSI values to implement PoCs and create real-life use cases.



BlackBerry

May 2015 – Sept 2015

Software Engineering Intern | Waterloo

Outstanding Performance Evaluation

- Executed full-stack development on enhancements to critical BB10 apps (HOTS) & web apps (BBAR Client & GreenState) that support BB Service Product offerings, including Enterprise, Messaging, Handheld using MySQL & MSSQL.

Education



University of Waterloo

Sept 2014 – April 2019

Bachelor of Applied Science (B.A.Sc) in Computer Engineering

- [Arthur F. Church Scholarship, highest award](#) offered to 1 student in Computer Engineering class ([#1 Entrance Average](#)).