


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

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Microsoft April 2019 –

Software Engineer (Azure / Distributed Systems) | San Francisco Bay Area, CA

 - Led & designed architecture for Kafka deployed on Azure VM Scale Sets and for Kafka broker ID generation for Azure.
 - Increased the open-source daily users by 59%+ for Kafka Monitor by releasing / committing robust, fault-tolerant monitoring features that produce cluster latency and availability metrics. <https://github.com/linkedin/kafka-monitor>
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Microsoft Aug 2018 – Dec 2018

Software Engineer (Azure Cloud Platform) | San Francisco Bay Area, CA Outstanding Performance Evaluation

 - Led, 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.
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Snapchat Jan 2018 – May 2018

Software Engineer (Data Pipeline) | 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.
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Snapchat May 2017 – Sept 2017

Software Engineer (Search Ranking) | 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.
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IBM May 2016 – Sept 2016

Software Engineer (iOS / Backend) | 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.
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IBM Jan 2016 – May 2016

Software Engineer (Android / Full Stack) | 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.
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BlackBerry May 2015 – Sept 2015

Software Engineer (Web Development) | 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

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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).