ANDREW CHOI

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

Qualifications

- 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   2020 ~ Present
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

Microsoft   2019
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.

Snapchat   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.

Snapchat   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.

IBM   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.

IBM   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.

BlackBerry   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

University of Waterloo
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).