Jae Choi

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Education

University of Waterloo October 2019

Honours Bachelor of Computer Science *Waterloo, ON*

Experience

Stripe May 2019 - Aug 2019

Software Engineering Intern (Payments Infrastructure - Treasury Engineering) *San Francisco, CA*

· Built a data migration tool for the ledger that generates previews and rollbacks using Spark
· Improved robustness and flexibility of <u>balance transactions</u> to enable new product features

Flexport Jan 2019 - Apr 2019

Software Engineering Intern (Marketplace) *San Francisco, CA*

· Identified miscalculation in Flexport's charges and restructured existing pricing model to allow flexible rates
· Parsed complex pricing equations into readable format; achieved a 30% increase in share of quote

Sumo Logic May 2018 - Aug 2018

Software Engineering Intern (Data Collection) *Redwood City, CA*

· Integrated metadata support to AWS metrics sources to enable data filtering on ingest and improve query performance
· Developed a validation layer for socket configurations of data stream sources using Scala

IBM May 2017 - Aug 2017

Software Engineering Intern (Regulatory Compliance Analytics) *Toronto, ON*

· Expanded functionality in the REST API to improve Watson analytics of regulatory compliance
· Modularized React components to create abstraction for efficient front-end development

BlackBerry Sept 2016 - Dec 2016

Software Engineering Intern (Bluetooth, NFC, USB Software) *Waterloo, ON*

· Designed and wrote Bluetooth protocols using Android APIs to enable music browsing via Bluetooth car kits
· Implemented Bluetooth and NFC policy restriction controls in Android system settings

Irdeto Jan 2016 - Apr 2016

Software Engineering Intern (Online Piracy Detection) *Ottawa, ON*

· Created a crawler on a P2P network using C++ to track infringed content and IP addresses
· Wrote Python scripts that parse torrent metadata to optimize analyses of pirated content

Projects

RPC Library

· Wrote a Remote Procedure Call library that allows client servers to execute functions on remote servers

Raytracer

· Created a raytracer that can rasterize objects in 3D space with shadows, reflections and anti-aliasing

Technical Skills

· Working experience with: C, C++, Java, Python, Ruby, Scala, SQL | Kafka, Spark, Rails, React