

Jae Choi

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Education

University of Waterloo

Honours Bachelor of Computer Science

October 2019

Waterloo, ON

Experience

Stripe

May 2019 - Aug 2019

Software Engineering Intern (Payments Infrastructure - Treasury Engineering)

San Francisco, CA

- Created a data migration tool for the ledger that can preview and revert migrations using Spark
- Improved robustness and flexibility of balance transactions 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 the Android framework 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

Technical Skills

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

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