

Jae Choi

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Education

University of Waterloo

Honours Bachelor of Computer Science; Minor in Combinatorics and Optimization

December 2019

Waterloo, ON

Experience

Stripe

Software Engineering Intern (Payments Infrastructure)

May 2019 - Aug 2019

San Francisco, CA

- Joining the Treasury team to help build systems that will enable Stripe to process and move money at a large scale

Flexport

Software Engineering Intern (Marketplace)

Jan 2019 - Apr 2019

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 (OKR target: 10%)

Sumo Logic

Software Engineering Intern (Data Collection)

May 2018 - Aug 2018

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

Software Engineering Intern (Regulatory Compliance Analytics)

May 2017 - Aug 2017

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

Software Engineering Intern (Bluetooth, NFC, USB Software)

Sept 2016 - Dec 2016

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

Software Engineering Intern (Online Piracy Detection)

Jan 2016 - Apr 2016

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

Languages: C, C++, Python, Java, Scala, Ruby, JavaScript/TypeScript, HTML5/CSS3, SQL, Bash

Technologies: Spark, Hadoop, Angular, React, Rails, AWS, DB2, MySQL, PostgreSQL

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