

Jaekyong Choi

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Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Computer Science; Minor in Combinatorics and Optimization | 4A

May 2019

Experience

Sumo Logic

Redwood City, CA

Backend Software Engineering Intern

May 2018 - August 2018

- Integrated metadata support to AWS metrics, enabling data filtering on ingest and improving query performance
- Developed a validation layer for socket configurations of data stream sources using Scala

IBM

Toronto, ON

Core Software Developer Intern

May 2017 - August 2017

- Expanded functionality in the REST API to improve Watson analytics of regulatory compliance
- Modularized complex React components to create abstraction for efficient front-end development
- Refactored the Redux middleware and integrated a JavaScript library to enable promise based requests

BlackBerry

Waterloo, ON

Systems Software Developer Intern

September 2016 - December 2016

- Designed and wrote Bluetooth protocols using Android APIs to enable media browsing via Bluetooth for latest BlackBerry phones
- Implemented Bluetooth and NFC policy restrictions in the Android framework settings and UI to allow employers to restrict device functionalities
- Improved interoperability in the Bluetooth protocol stack through black box debugging using Wireshark

Irdeto

Ottawa, ON

Software Engineering Intern

January 2016 - April 2016

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

Imagine Communications

Waterloo, ON

Full Stack Web Developer Intern

May 2015 - August 2015

- Implemented a diagnostic logging service using Angular and developed a configuration tool for a playlist automation service using RESTful and WebSocket APIs

Technical Skills

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

Technologies: Android, React-redux, Angular, MySQL, PostgreSQL, DB2, Git

Projects

Raytracer

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

Online Unity Game AI

- Built a client-injectable dll with custom AI capable of performing at top 50% player level