

Justin Yongju Song

Portfolio: <https://justinsong01.github.io/>
<https://www.linkedin.com/in/justin-song-76a546bb/>
Tel: (647) 920-2354 Mail: yjsong0404@gmail.com

EDUCATION

University of Toronto, Toronto, ON.

Sept 2014 – Dec 2019

- Completed Bachelors of Science with Computer Science Major, Statistics Minor & Mathematics Minor.
- Awarded the \$2000 Entrance Scholarship in Sept 2014. CGPA: 3.52/ 4.00
- Awarded a High Distinction Recognition for Bachelors Degree.

TECHNICAL SKILLS

Languages: Fluent in Java, C, Python3, Perl, XML, Scala, NodeJS, AngularJS, CSS
Familiar with C#, Ruby, PHP7, Vue.js, D3.js, XQuery

Platforms & DB: AIX, RedHat, Ubuntu, DB2, Oracle, PostgreSQL, RTC, Hadoop, MongoDB
MSSQL 2016, GraphQL, Cassandra, DBeaver

Technologies: Spring, Firework, AWS, Git, Subversion, Android Studio, Spark 6.0, Jenkins,
Docker, Selenium, Bugzilla, IBM Watson, Azure, Ignite, OAuth 2.0, JIRA, Flask

WORK EXPERIENCES

Software Development Engineer – *Amazon Web Service*, Vancouver, BC. Jul 2020 - Present

- Developed and improved AWS S3 Privatelink model by 11% using VPC and network load balancer which involved integration of EC2 instances with S3.
- Working under AWS S3 Nexus team to assist the product's scalability through providing customer-facing API with the S3 buckets storage plan using Kotlin, DynamoDB, and SQS.

Data Engineer (Full-Time) – *Royal Bank of Canada*, Toronto, ON. Jan 2020 - Jul 2020

- Developed a Cassandra cluster real-time metric logging with Kibana and mlflow package
- Refactored a code for client-match API with 21% space efficiency improvement.
- Integrated DNA (Data & Analytic) Consumer 360 service with SIFT (RBC internal testing service) to execute and pass/fail the testcase from the UI using a correct credentials.

Software Engineer Intern – *Tesla*, Palo Alto, CA. Jan 2019 - Apr 2019

- Developed a Flask Web application to effectively collect the data across multiple servers & Jenkins nodes using DataTables and AngularJS.
- Improved a new web messaging of Tesla Infotainment System for Model 3 by 19%.
- Developed new features for the Spring boot webservice for Program Managers to sign off and manage the milestone schedule by the request of the director in program management.

Software Developer (Student) – *Royal Bank of Canada*, Toronto, ON. May 2018 - Aug 2018

- Worked for RBC DNA team to find a solution for client search using GraphQL & Spark.
- Developed a Spring API Endpoint which applies the Ignite ML and Caching layer to manipulate data from Cassandra clustering environments authenticated with OAuth 2.0.
- Awarded **RBC Cross-Functional Team Awards - Q2 2018** for my contributions to the team.
- Recipient of **RBC Summer 2018 Top Talent Students Recognition** (given to 6 out of 191)

Software Developer Intern – IBM, Markham, ON.

Sept 2016 - Dec 2017

- Re-implemented IBM Web Messaging Queue System to increase its response time by 16% using Java and Kubernetes. Work was completed along with IBM WebSphere Service.
- Developed two Reporting Website Interfaces that manage the UI and QA results using PHP 7.
- Troubleshooted different OS(AIX, RedHat, Ubuntu) to fix the OS specific bugs with MDM.
- Implemented RESTful API with DevOps tools Docker and Microservice API. Enabled the feature of registering a service based on JSON through Java and Vue.js.
- Created and maintained automated test packages using Selenium Framework and Bugzilla.

PROJECTS (Projects Available on <https://github.com/justinsong01>)

RBC Summer 2018 Hacks – Python, Spark, Django

July 2018 - Aug 2018

- Developed a Django based web application for smart relevant search integrated with spark, and elaborated with Databricks product service and mlflow.

AI Student Research for SOCAN (CSC454 Project) – Java, Watson

Jan 2018 - Apr 2018

- Researched and developed a RESTful API for AI Speech to Text conversion technology for a better automation to interpret metallic sound videos using IBM Watson API.

Trend Analyzer – Java, DataTables, Hadoop, JavaScript

Sept 2017 - Mar 2018

- Developed a Hadoop based trend analyzer and tracker that reads from data which is in a CSV file format to analyze current and predicted trend of the collected data.

Maven Plugin for Java Spring Framework – Java, Maven, Spring

July 2017

- Developed Maven Plugin for Java Spring Framework Workaround using Java and Maven.

Google Script Projects – Java, Google App Script(.gs), HTML

April 2017 - May 2017

- YouTube Auto Subscription Adder using Google Spreadsheet API embedded with HTML.

MSFT Hacks 2016 – JavaScript, MS Azure Microservices API, Slack

June 2016

- Developed a Slack Application which communicates with Microsoft Azure Microservices API to inform the changes made throughout the system.

Flight Booking Android Application – Java, AngularJS, HTML, Android

Jan 2016 - May 2016

- Implemented an Android Application to enable users to book and manage flight schedules.

VOLUNTEER EXPERIENCES

Future Blue Newsletter Team Lead – IBM, Markham, ON.

Jan 2017 – Apr 2017

- Managed & Sent Weekly Newsletter for IBM Intern Community regarding upcoming events.
- Cooperated with other IBM Team Leads to improve IBM internal website.

Computer Science Ambassador – UofT, Toronto, ON.

Sept 2015 – Aug 2016

- Assisted Department of Computer Science by organizing career workshops in Toronto.
- Officially awarded badge for distinctions and volunteer I contributed for UofT CS Dept.