

# JASON KWOK

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## SKILLS SUMMARY

### LANGUAGES

C, C++, Java, JavaScript, PHP, SQL, Ruby, Python, Assembly, VHDL

### FRAMEWORKS

Spring, React, Redux, Solr, Mocha, Jasmine, Mockito, JUnit, Laravel

### TOOLS

Git, Docker, Jenkins, AWS, Bluemix, DB2, NPM, Travis CL, Cloud Foundry



## WORK EXPERIENCE

### IBM

Watson Financial Services  
Toronto, Ontario  
Sept 2018 - Dec 2018

### SOFTWARE DEVELOPER

Developed new features in the AI-powered Watson Regulatory Compliance web application using **Spring, React, Redux, MySQL, DB2 and Bluemix**  
Created new multi-threaded data pipelines to help manage and interpret client's regulation documents using **AWS S3's Cloud Object Storage**  
Maintained high quality software through writing integration and unit tests using **Travis CL, Mocha, Mocikto, Jasmine, and JUnit**

### TULIP RETAIL

Customer Relations Management  
Toronto, Ontario  
Jan 2018 - Apr 2018

### FULL-STACK DEVELOPER

Implemented new CRM features in Tulip Mobile App releases that was shipped to retailers, which include Saks, Coach and Michael Kors  
Built back-end Restful API endpoints by developing critical business logic using **PHP, MySQL, Ruby and AWS**  
Redesigned a new search engine for a retailer's store associates and customers to improve efficiency and relevancy using **Apache Solr and PHP**

### JAN KELLEY INCUBATOR

Prototype Development  
Kitchener, Ontario  
May 2017 - Aug 2017

### APPLICATIONS DEVELOPER

Created an internal project management system to improve collaboration and efficiency for employees using **Laravel PHP, MySQL and JavaScript**  
Prototyped web applications tools that aimed to help solve business's problems using **Laravel PHP and JavaScript**

### SPIRIT OF MATH SCHOOL

Enrichment Program  
Toronto, Ontario  
Sept 2014 - June 2016

### MATH ASSISTANT TEACHER

Teach and explain challenging math concepts to a class of 25 students in an after-school enrichment program  
Communicated with parents regarding students' performance



## PROJECTS

### FILE COMPRESSION

July 2017 - Aug 2017

Created light-weight loseless file compression program using **Ruby**  
Encodes and decodes text files using LZ77 algorithm

### DATA TRANSFER

Jan 2018 - Apr 2018

Developed a **C** program with POSIX linux messaging queue that uses multi-processing/threading to transfer data in a producer and consumer situation

### FLAPPY BIRD

Jan 2018 - Apr 2018

Recreated the game Flappy Bird using **Python** and a GUI library  
Physics of rotation and gravity of the bird was included



## EDUCATION

### UNIVERSITY OF WATERLOO

July 2017 - Aug 2017

### CANDIDATE FOR B.A.Sc. IN COMPUTER ENGINEERING

Courses: Data Structures and Algorithms, Operating Systems, Processors