

Hongyue Zhang

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Work Experience

- **Amazon.com, LLC** Seattle, WA
SDE Intern @ FBA selection Team May 2016 – Jul 2016
 - Designed discover application on mobile device called 'Eureka', empowered search merchandise of interest through both online and nearby offline store
 - Implemented 5 backend API using Spring MVC, google guice and guava
 - **IBM Canada Ltd.** Markham, ON
Software QA Intern @ DB2 Relational Database May 2014 – Aug 2015
 - Wrote new unit test scripts in Perl for DB2 security features
 - Enhanced regression test efficiency by 150% with existing code refactoring
 - Investigated on tracked failures within bucket of test-case, determine the type of defects through the call stack and dumped log files, deliver the test-related solutions
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Engineering Project

- **HealthWe - Fullstack Contractor**
 - Developed prototype for sleep treatment system which capable of user authentication, file uploading and consists of both Java and Android client.
 - Supervised and directed technical team with given budget of \$10000; determined the client needs to scope the features in details
 - Responsible for backend code in Nodejs, MySQL/Redis DB management, cloud server deployment and unit test in Mocha
 - **CaloriesCalculator - Hackathon Project**
 - Developed the cloud hosted web application that can analyze ingredients from input recipe (plain text or url) and give the visual interpretation to users.
 - Exchanged the data through Nodejs backend to Alchemy cognitive API using ajax call and query ingredients calories information in external MongoDB
 - Generated a nutrient fact report with quantitative calories of ingredients (cal/100g) and a comprehensive measure of "healthiness" (color-coded)
 - **Concurrent key-value storage database - School Project**
 - Designed a concurrent database and implement a server-client software architecture model in C
 - Added new CRUD features on each iteration and use milestones to mark development progress
 - Documented each stage of software development progress and adopt the agile methodology
 - Presented software solution to both technical and public audience
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Education

- **University of Toronto St. George Campus** Toronto, ON
The Edward S. Rogers Sr. Department of ECE, BAsC 2012 – 2017
 - Dean's Honour List, GPA 3.84
 - Related course: Algorithm & Data Structure, Object-oriented Programming, Database Fundamental
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Core Technical Skills

Coding:	C, C++, Python, Perl, SQL, Bash, Java
WebStack:	Javascript, JQuery, Nodejs, flask, Spring, google guice
Platform:	Windows, Mac OS, Linux, Unix, AIX
VCS & IDE:	Svn, Git&github, clearcase, Eclipse, Netbeans