

# Jimmy Chen

## Contact Information

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## Education

**B.S.E in Computer Engineering**

**University of Illinois, Urbana-Champaign**

**Dec. 2015**

## Job Experience

**Software Engineer III at Walmart Labs**

**Nov. 2017 to Present**

- Programmed a series of data transformations to communicate cost and logistics information in Walmart's Item Catalog. Transported and managed data across a number of microsystems. Allowed real-time analysis of cost to optimize Walmart prices.
- Designed a query system and archiving database to store attribute changes and allow long-term auditing of Walmart items.
- Technologies Used: Apache Camel, Kafka, Cassandra, Streaming Architecture, Distributed Systems, REST services, Jax-rs, GraphQL, Solr, Couchbase, Scribe

**Software Engineer at Ricoh**

**2015-2017**

- Architected an API to connect Ricoh's print workflow software with external REST and SOAP web services. Constructed a series of REST services that allow users full control of the printers and schedule workflow routines.
- Renovated Ricoh's flash-based web application to use Backbone Marionette, a modern JavaScript framework. Increased the user friendliness and allowed real time updates using web sockets.
- Technologies Used: Java, JavaScript, Backbone Marionette, JUnit, Jax-rs, Jersey, Ibm Db2

**Intern Software Engineer at Ricoh**

**2014-2015**

- Developed a multi-platform, customizable, mobile app using jQuery and Apache Cordova. The app displays customer documents and their status in Ricoh's print workflow software.
- Implemented a REST service API for synchronization of documents, and print status between a mobile application and Ricoh's Print Workflow Software.
- Technologies Used: Java, Jax-rs, Bootstrap, jQuery, Apache Cordova, JavaScript, Grunt, Gradle, React native

## Languages and Technologies

Software Languages: Java, C++, C, Python

5-7 yrs.

Web Servers: Jersey, Spring, Node, Tomcat, Jax-rs

3-5 yrs.

Web Technologies: JavaScript, HTML5, Angular, React, Backbone, CSS, jQuery, Bootstrap

2-4 yrs.

Unit Testing: JUnit, Testng, Selenium, Karma

2-4 yrs.

Distributed Systems

2-4 yrs.

Databases: Cassandra, IBM DB2, Oracle, MongoDB

2-4 yrs.

Messaging: Kafka, RabbitMQ

2-4 yrs.

## Projects

**Dynamic Customizable Blog**

**2017**

Architected a unique templating structure for my own website. The architecture consists of a spring boot rest server. The rest server serves as a database and facilitates creating of new content. The content is then dynamically rendered using angular2 and typescript.

**Traffic Light and Road Data Mobile App**

**2016**

Implemented an algorithm and mobile app that connects with MapQuest's REST API to find traffic lights. Using user input, and traffic patterns, the app calculates the speed necessary to travel between stoplights to avoid red lights. The app also improves MapQuest's time to arrival by considering delays caused by stoplights.

**Embedded Neck Sensor**

**2016**

The device consists of a series of embedded sensors which detect the current neck posture. When unhealthy positions are maintained, for too long, it warns the user to adjust her position.