

# Johnson Chen

Software Engineer

👤 chenjohnson.com

📞 613-413-8317

✉️ chenjohnson.com@gmail.com

## SKILLS

**Programming:** Python, C, C++, Java, Node.js

**Big Data:** Hadoop MapReduce, Hive, Spark, Redshift, Giraph

**Database:** MongoDB, MySQL, PostgreSQL

**Web:** HTML, CSS, PHP, JavaScript, jQuery

**Tools/Services:** AWS, IPython, Jenkins, Phabricator

## EXPERIENCE

### WISH

SOFTWARE ENGINEER

Sep 2017 - Dec 2017 | San Francisco, CA

Python, MongoDB, Memcached, Redshift, Luigi

- Optimized shipping estimator to boost GMV by **+2.42%**
- Created data pipelines to compute **billions** of product shipping estimates daily
- Built a refund rate predictive model with **Wilson's Confidence Interval** to determine bad products

### SOCIAL CAPITAL | DATACORAL

SOFTWARE ENGINEER

Jan 2017 - Apr 2017 | San Francisco, CA

Node.js, AWS, MySQL, PostgreSQL, Redshift

- Contributed to build a **serverless infrastructure** framework with **AWS Lambda**
- Developed a scalable solution to process real-time data streams on AWS Kinesis by using Pagination, Fanout and JSON denesting techniques

### SCOTIABANK

DATA ENGINEER

May 2016 - Aug 2016 | Toronto, ON

Python, Java, Spark, Hadoop MapReduce, Giraph

- Researched and implemented **parallel algorithms** on Network Metrics
- Built **ETL pipelines** in Hive and Python
- Analyzed transactional data on **Spark/Hadoop MapReduce**
- Built a cashflow predictive model with **Logistic Regression** and **Time Series Analysis**

## AWARDS

**Dean's Honours List | 2015 - 2017:** Top 10% of class

**Euclid Mathematics Contest | 2015:** 1st Place in Eastern Ontario

**Canadian Computing Competition | 2015:** 1st Place in Eastern & Northern Ontario

## PROJECTS

### OFFLINE BLING ANDROID APP | UOFTHACKS

Twilio API, MySQL, PHP, Java, XML, JSON

- Built an Android application to get internet access using SMS

### MYO MUSIC COMPOSER | ENGHACKS

Myo, JavaScript, Lua, jQuery, AngularJS

- Built an application to use Myo armbands to compose music

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF SOFTWARE ENGINEERING

2015 - 2020 | GPA: **4.0/4.0**