

# [Ryan Wang]

[ryanwang@email.carleton.ca] | [613-4156006] | [ON, CA] | [trainkin.com]

system engineer, software developer, web application developer

## Summary

An innovative thinker, initiative taker professional with system programming, website backend application, software development and big data analysis. Experience in design, analysis, implementation and test as a software developer & engineer for company products & services. Seeking an opportunity to enhance his skills by participating as a system engineer | web application developer | software programmer | data analyst.

## Education

- [Carleton University], [Ottawa], [Canada]
- Bachelor, Computer science, 2015 - 2017
  - [University of Ottawa], [Ottawa], [Canada]
  - BCS Courses Exchange, 2016 - 2016
- [Hunan University of Arts and Science], [Hunan], [China]
- Bachelor's Degree, Telecommunications Engineering, 2007 - 2011

## Experience

[Dates 2015.7 – 2015.9] [3 months]

**[Server Development Engineer (Back end Developer)] | [Shou (mobile app company)] | [Beijing]**

Responsible for backend development of company product - ShouTV, including online payment (google play, apple pay), utilize programming logic, and provide REST API for client-side ([IOS](#), [android](#)).

[Dates 2013.10 – 2015.3] [1 year 6 months]

**[Server Development Engineer (Back end Developer)] | [[Adesk](#) (mobile app company)] | [Beijing]**

Responsible for building and maintaining backend services for company product - android wallpaper, including provide REST API (With python + tornado + MongoDB + Redis + Memcached) to client side (IOS, android), develop efficient search functions (using elastic search). And, as a member of data analysis team, we used Hadoop to store big data and wrote analysis script for company department of commercial market. I somehow managed cluster storage (MongoDB) and monitored servers status (Nagios).

I created a web application for company - Android-ringing: android ringing application (provide optimal ringing service to android users). my role was to lead client side and build the server side of the project, including backend (with python + tornado) and frontend (html5 + bootstrap CSS + js) of the server side, and negotiate & design REST API with client side.

[Dates 2012.1 – 2013.6] [1 year 6 months]

**[Software Engineer] | [[TRS](#) - (Search engine dev company)] | [Beijing]**

Developed and maintained search engine, web spider, proxy servers (company products) with colleagues. Responsible for distributed heavy tasks, built tools for authenticated user, batch task generating program, multi-threaded web server and many associated tools.

In panda project (chinese government project): government private web spider and search engine. my role was to develop tools to support and maintain company products.

[Dates 2011.5 – 2012.1] [9 months]

**[Technical Service Engineer (Server side technology assistant)] | [[Tsinghua Tongfang](#)] | [[Beijing](#)]**

Troubleshooting for PC users: handled software installation, and configuration, coded script for cluster servers;

Windows System Configuration: built Exchange 2010, Lync, SCCM, CRM;

Linux System Configuration: built KVM, XEN, LAMP, postfix, BIND, DHCP, etc.

## Skills & Endorsements

Software Development, Server Architecture, System Deployment, Web Applications, Search Engine Technology, Web Crawling

- Programming Languages: Python, C, Java, C++, JavaScript, HTML5, Go, Ruby on Rails, SQL, NoSQL, Racket, Prolog, Clojure
- Database: MongoDB, MySQL, PostgreSQL, Redis, Memcached, HBase,
- Platform & Tools: Tornado, Hadoop, Elasticsearch, Google Cloud Platform, AWS, Nginx, Qt, Android Studio, Git, Vim, IntelliJ IDEA, OpenCV, MS VS, LaTeX.

## Languages

Chinese - Native, English - Professional (working proficiency)

## Certifications

MCITP Microsoft, License D238-2597 Starting April 2011

CCNA Cisco, License CSCO 11809486 July 2010 – July 2013

## Interests

*Web application | Machine Learning | Computer Vision | Mobile application | Real Time OS | Data analysis | Algorithm | Math | Reading | Videogames*