

# Jiaxing Zheng *(Objective: 2017 summer software engineer internship)*

Email: zjx2029799@gmail.com

Phone: 9293418923

## EDUCATION

### George Washington University - DC, USA

May 2018

*Master of Computer Science*

Courses: Advanced Software Paradigms, Computer System Architecture, Design & Analysis of Algorithm, Database Management Systems, Computer Networks, Data Compression

### Shanxi University, Shanxi, China

Top 8% of 353 students in School.

Sep 2012 — Jun 2016

*Bachelor of Computer Engineering, Major: Software Programming.*

Courses: Data Structures • Algorithms Analysis • Object-Oriented programming • Introduction to Database Systems • Software Engineering • Discrete Topology • Computer System • Digital Modulation • Computer Operating System

## EXPERIENCE

### Software Engineer Intern, Neusoft., Tianjin City, China

Jun 2016 — April 2016

- Collaborated with the IT teams to update its current front pages with html5 using many powerful JQuery and CSS to reduce their background codes and improve its robust of certain functions.
- Developed our team management system's foreground pages using Jsp technique.
- Applied SpringMVC framework and Hibernate to our team management system and improved its pages' style by bootstrap's CSS.

### Software Engineer Intern, DHC SOFTWARE CO, LTD., Taiyuan City, China

July 2015 — Sept 2015

- Built the front page of a transport company's program using C#
- Mastered background database maintenance of SQLServer
- Set up the company's network training laboratory with 48 computers and six Cabinets that each has several routers and switches.

## PROJECTS

### Full Stack & Highly Scalable URL Shortener Service

Jun 2016 — Aug 2016

- Developed a full stack web app using the MEAN stack (MongoDB, Express, AngularJS and Node.js) to deliver TinyURL like URL shortening service.
- Improved Web App performance and scalability by implementing Redis cache layer, Nginx reverse proxy/load balancer, and Dockerized server code.
- Migrated original MongoDB store to Apache Cassandra's distributed storage system as warehouse size grew into multiple TB of data.

### Full Stack Web Application With SpringMVC for an online study system

April 2016 — May 2016

- Developed a full stack Web Program using SSH framework(SpringMVC, Spring, Hibernate) and the stack(JSP, HTML, bootstrap, Oracle Database and JavaScript ) to design an online study source sharing System.
- Accumulating the data from the students when they register and download any files and make an analysis of these data to show the priority of the resources.
- Normalized this system as a useful tool for my school in Shanxi University to allow the teachers and students share files like the Black Board's function in many University of America.

### The Testing Program on Data Mining Algorithm

Feb 2015 — May 2015

- Facilitated MATLAB to simulate experiments of academic papers to find valuable information for our academic dissertation.
- Connected Visual Studio (language C#) with MATLAB by citing algorithms on Visual Studio to exhibit experimental results.
- Designed an individual project using the results from the research that my professor make use of, to conveniently compare the execution of algorithms' results.

## SKILLS

**Programming:** Java • Python • JavaScript • Shell Scripting • SQL • C++ • C# • prolog • Lisp

**Cloud Computing:** Apache Kafka • Apache Cassandra

**Web Development:** Node.js • Angular.js • jQuery • Express.js • HTML • JSP • Bootstrap

**Database:** MySQL • MongoDB • SQLServer • Redis • Oracle

**Computer System and Network Security:** Red Hat linux certificate(RHCE) • Cisco certificate (CCNA)

## EXTRACURRICULAR ACTIVITIES

### 2014 Chinese Spring Festival Railway Transportation Volunteer

Jan 2014 — Feb 2014

- Offer information consultation for the passengers.
- Helped Disadvantaged persons transfer luggage, assisted station workers in maintaining order and regulations.

### First Vice President in Student Union of the university school

Sept 2014 — Oct 2015

- Create a team specialized in computer maintenance to help community members master some basic computer skills and fixed computers around 300-400.
- Organized several seminars, and activities inviting scholars and practitioners to help students achieve academic and career goals.