

# Zinuo Li

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## SUMMARY

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- A master's degree in computer science, seeking full-time software engineer.
- With 3+ years programming experience in both academic and industrial projects in different platforms
- An energetic and fast learner and a good team player, good communication skills.

## EDUCATION

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Master of science in Computer Science | Dec 2017 | *Illinois Institute of Technology*

- GPA 3.78/4.0

Bachelor of science in Engineering | May 2015 | *Communication University of China*

## Skills & Abilities

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### LANGUAGES

- (Proficient) Java, Python (Experienced with) C/C++, SQL (Familiar with) HTML, CSS, JavaScript

### FRAMEWORKS

- Java Servlets, Apache Tomcat, Spring MVC, MyBatis, Redis, Amazon Web Services, REST API, MySQL

## WORK EXPERIENCE

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**Software Engineer Internship** | May 2016 – July 2016 | DIR Xunhe Business Innovation Limited

*Xunhe is a Chinese company that provides system and software solutions to wide range of customers and enterprises.*

- Worked in the network security team to provide assistance on user authentication and authorization. (**Spring Security**, **Apache Shiro**)
- Designed and implemented an enterprise-wide user and institution authentication and authorization platform.
- Improved database query efficiencies by using cache in the system. (**redis**)

## PROJECT EXPERIENCE

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### Online Shopping Website backend

- Designed and developed a web backend service which supports basic functions of an online shopping mall. (**Spring MVC**, **Tomcat**)
- Utilized **MySQL** to store customer and administrator information and **MyBatis** to interact with the database.
- Implemented an **ftp** server to store product image where the administrator can upload pictures via the frontend interface.
- Invented a similar product **recommendation** system based on user's order history.
- Tested all features by using **rest API** request.

### Database management system

- Designed a database management system that allows selecting, inserting and deleting records. (**C**)
- Implemented a disk-based **B+-Tree index structure** to reduce the time consuming of data retrieving and manipulation.
- Programmed different strategies of cache management such as LRU, LFU, FIFO

### Automatic Text Summarization

- Established a program that reads movie reviews from rotten tomatoes and generated a single sentence summary.
- Analyzed the different approaches by comparing the differences among similarity measurements including tf-idf, word2vec, bm25plus etc.
- Created a similarity graph for each paragraph. Ran page rank on this graph to generate the output.
- Evaluated the result with ROUGE method.