JIAYUAN ZHOU

EMAIL:jiayuan.zjy@gmail.com

MOBILE:+(1)343-333-5254

EDUCATION

Queen's University

Computing

Software Analysis and Intelligence Lab

Sept 2017 – present

MASTER OF SCIENCE (GPA: 4.08/4.3)

I am currently pursuing my M.Sc. degree under the supervision of professor Ahmed E. Hassan. My research interests is the external incentives in Open Source Community. For example, what is the impact of bounty in Stack Overflow and Bountysource.

Dalian Maritime University

Software Engineering

Sept 2011 – July 2015

BACHELOR OF ENGINEERING (GPA 3.86/4.3)

I obtained my Bachelor degree in Software Engineering from Dalian Maritime University, which is one of the "Project 211" institutions in China. During my undergraduate study, I was ranked top 10% in my major, and had been awarded several scholarships for my outstanding academic performance. I participated in many competitions including the National College Students Innovation and Entrepreneurship Training Program, Mathematical Contest In Modeling, and ACM-ICPC. I was also the president and founder of the ACM-ICPC club in my university, and held the ACM-ICPC Dalian site in 2013. With my own ACM-ICPC team winning the bronze medal at the Asian Regional Contest, we raised our university's ranking in ACM-ICPC to top 5 in the Northeast China.

WORK EXPERIENCE

ALIBABA (CHINA) TECHNOLOGY CO., LTD.

B2B Technology Department
HangZhou, Zhejiang, China
Apr. 2017 – Aug. 2017

SENIOR DEVELOPMENT ENGINEER

I am a Senior Development Engineer in the B2B Technology Department of Alibaba Group. Our website "1688" is the largest Business to Business (B2B) website in China. Because of the outstanding contributions I made during my two year employment in Alibaba, I was promoted to Senior Development Engineer on April, 2017.

ALIBABA (CHINA) TECHNOLOGY CO., LTD.

B2B Technology Department
HangZhou, Zhejiang, China
June 2015 – Apr. 2017

R&D ENGINEER

During the rapid business expansion period (Oct 2015 to Oct 2016) of "1688", I served as the technical product owner of the Online Distribution System, and was responsible for all the low level services. The services store and process multi-million level merchandises and orders per day. Online Distribution System is based on the popular B2B2C (suppliers to distributors to retail buyers) model in the B2B business.

One of the problems in the B2B2C model is the inconsistent order information during the complicated business process. By using data mining to match similar orders in different parts of the process, I greatly optimized the system and resolved 85% of the inconsistent orders. The performance is more than 4 times better than the original algorithm (which resolved 16% of the inconsistent orders).

In the past year (2016), I have submitted 5 patents, and they are currently under review by the National Patent Office of China.

ALIBABA (CHINA) TECHNOLOGY CO., LTD.

B2B Technology Department
HangZhou, Zhejiang, China
June 2014 – Dec. 2014

R&D ENGINEER (INTERN)

In the third year of my undergraduate study, I joined Alibaba Group as an intern. I participated in the design and implementation of the merchandise model of 1688, to handle the storage and process of more than 500 million merchandises.

PROJECT EXPERIENCE

CROSS PLATFORM MERCHANDISE RECOMMENDATION

Demo (Chrome extension): https://goo.gl/IIPNjo

Hive/Java/Solr/Javascript
Sept. 2016 – Jan. 2017

- Constructed a similar merchandise network with three-dimensions (order - merchandise - stock keeping unit) from the trading data across different ecommerce platforms. By mining the network, the system identified more than 4 million pairs of similar merchandises. The system is currently serving over one hundred thousand online distributors.

- Served as project leader, constructed and analysed a three-dimensional model using hive and implemented open API using solr.

RECOMMENDATION FOR COMPLETING MERCHANDISE INFORMATION

Hive/Java/Solr/Javascript
Aug. 2016 – Oct. 2016

- Because of the different operating rules among e-commerce platforms in B2B2C model, the information for the same merchandise may be inconsistent across platforms. In order to help distributors complete the merchandise information in different platforms, the system identifies similar merchandises using the merchandise similarity network and TF-IDF, and provides suggestions based on attributes from similar merchandises.

- Served as project leader, constructed merchandise model using hive, implemented the similarity algorithm using Java, and implemented open api using solr.

PATENTS

Sept. 2016 — A cross-ecommerce-platform transaction attributes mapping algorithm for similar merchandises

Sept. 2016 — A cross-ecommerce-platform merchandise recommendation algorithm

June 2016 — A cross-ecommerce-platform automatic order information conversion algorithm

June 2016 — A method and system for exchange cross-ecommerce-platform merchandise and order information

May 2016 — A method for syncing cross-ecommerce-platform merchandise information

HONORS & AWARDS

First Prize — Mar. 2012
National College Students Innovation and Entrepreneurship Training Program

Bronze Medal — Oct. 2012
The ACM-ICPC Asia Regional Contest Changchun Site

Honorable Mention — Feb. 2013
Mathematical Contest In Modeling

First Prize — May 2013
Lanqiao Cup National Software and Information Technology Talents Competition(**Liaoning Province,China**)

Second Prize — July 2013
Lanqiao Cup National Software and Information Technology Talents Competition(**National Final**)

First Prize — June 2013
The 6th ACM-ICPC Asia China Liaoning Province Contest

First Prize — June 2013
The 7th ACM-ICPC Asia China Northeast Provincial Contest

Bronze Medal — Nov. 2013
The ACM-ICPC Asia Regional Contest Chansha Site

Bronze Medal — Sep. 2013
The ACM-ICPC Asia Regional Contest Changchun Site

LANGUE

English — IELTS: 6.5
Full professional proficiency

Japanese — N2 Level
Professional working proficiency

Chinese
Native proficiency

SKILLS

- Proficient in Java development
- Skilled in algorithms and data structures
- Passionate about Big Data and computational data analysis
- Familiar with Spring mvc / webx frameworks
- Good at summing up and innovation
- Good team player and capable team leader