

Han Jia

Software Engineer 3 at eBay Inc. Bellevue, WA 98004
Marketing Engineering Team
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STRENGTHS

- Highly motivated to become an excellent full stack software engineer, and good at solving complex problems.
- Passionate about learning new technologies and able to quickly apply knowledge into daily work.
- Dedicated to building reliable and scalable systems and delivering quality products.

SKILLS

Programming & Scripting Language: Java; C; Python; R; Bash
Operating Systems: Linux; Windows; Mac OS
Distributed Systems: Apache Storm; Kafka; Zookeeper; Hazelcast
Web Programming: Spring Framework; Node JS; Javascript; JSP; JQuery
Relational Database: Mysql; Oracle
NoSQL Database: Cassandra; MongoDB, Couchbase
Other: Git; Maven; Puppet

WORKING EXPERIENCE

Software Engineer 3 Sep 2015 – Current
eBay Inc., Bellevue, WA

- Designed and implemented a new REST API so that external publishers can fetch the latest eBay deal listings. The system, which is built on Node JS, caches the deal data from upstream source into Couchbase and applies customizations through ranking and filtering, and then provides fast responses in JSON/Atom.

Software Engineer 2 Aug 2013 – Sep 2015
eBay Inc., Bellevue, WA

- Developed a Complex Event Processing system to detect and filter fraudulent clicks that our affiliate publishers bring to eBay site. The objective of the project was to replace a legacy ETL system with new distributed technologies to achieve better performance and lower operational cost. Apache Storm is used for distributed processing platform; Kafka for messaging queue and Cassandra for data store. The new system is currently responsible for processing around 100M records per day.
- Worked on a project to create a new web portal for our marketing channel as the major developer for design and implementation. The application provides a variety of functionalities for users: registration, account management, authentication, performance data view etc. It has a service-oriented architecture and is based on Spring Framework: Spring Data JPA for data access layer and Spring MVC for REST services. The UI interacts with APIs through JQuery.

Engineering System Intern June 2012 – Aug 2012
eBay Inc., San Jose, CA

- The main project was to build a code defect prediction application by implementing a history-based fault detection algorithm.
- Performed use case testing for a system that synchronizes two source code management systems: GitHub and ClearCase.

- Developed two script tools to automate engineers' daily manual process in Python and Bash script.

Research Assistant & Teaching Assistant Jan – May 2012, Sep 2012 – May 2013
School of Library and Information Science, Indiana University

- Worked for Professor Ying Ding and Xiaozhong Liu in a variety of research projects related to **Information Retrieval** and **Data Mining**.
- Main projects: 1) Online learning resources retrieval and recommendation system: ScholarWiki; 2) Content-based citation analysis on over 22 million academic publications in the biomedical domain from the PubMed dataset; 3) Investigation of Mobile Apps to build descriptive and predictive model for product life cycles by using regression and machine learning techniques.
- Teaching Assistant for S636 Semantic Web

EDUCATION

Master of Information Science (Aug 2011– May 2013), GPA: 3.75/4.0
School of Library and Information Science, Indiana University at Bloomington

Major Courses:

Information Retrieval, Web Mining, Database Design, Introduction to GIS, Semantic Web, System Analysis and Design, Network Technologies and System Administration, Human Computer Interaction, Evaluation of Information Systems

Bachelor of Management (Sep 2007– June 2011), Major Average Grade: 86.5/100
School of Information Management, Wuhan University

Department of Information Systems and E-Commerce

Major Courses:

Linear Algebra, Probability Theory and Statistics, Discrete Mathematics, Data Structure and Algorithm, Advanced Programming Language, Design and Development of E-Commerce Application, Computer Organization, Software Engineering, Management Information Systems

PUBLICATION

- Ding, Y., Song, M., Han, J., Yu, Q., Yan, E., Lin, L., & Chambers, T. (2013). Entitymetrics: Measuring the impact of entities. PLoS One.
- Jia, H., & Liu, X., (2013). Scientific Referential Metadata Creation with Information Retrieval and Labeled Topic Modeling. Proceedings of iSchool Conference (iConference 2013).
- Liu, X., & Jia, H. (2013). Answering Academic Questions for Education by Recommending Cyberlearning Resources. Journal of the American Society for Information Science and Technology (JASIST).
- Liu, X., & Jia, H. (2012). Scientific Cyberlearning Resources Referential Metadata Creation Via Information Retrieval, ACM/IEEE Joint Conference on Digital Libraries (JCDL).

AWARDS

- eBay Seattle Office Technology Award (June 2015)
- Merit-based Scholarship of School of Library and Information Science, Indiana University at Bloomington (2011-2012, 2012-2013)
- H.W. Wilson Foundation Scholarship (2013)
- Excellent Student Award of Wuhan University (2009, 2010)
- Third Class Academic Scholarship of Wuhan University (2008,2009,2010)