Haitang Hu

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Education

2014–present **M.S.E.**, *The Johns Hopkins University*, Baltimore.
Courses: Machine Learning, Distributed System, Big Data

2007–2011 **Bachelor of Engineering**, *TONGJI University*, Shanghai.
Courses: Discrete Mathematics, Higher Mathematics, Object-Oriented Programming Languages (C/C++), Algorithm Analysis, Data Structures, Database Principles, Operation Systems, Computer Networks, Computer Graphics

Research

2014–present **Disk Performance Evaluation Tool**, *IDIES Lab with John Pliam*.
Evaluating performance fluctuation on different configuration of ZFS, including ssd cache, soft raid mode, etc.

2012-2012 **SOA Best Implementation**, *NS Solutions (Shanghai) Co., Ltd.*
Compared different approaches of Service-oriented Architecture, combined with situation of company and selected the best implementation (Web Service) in order to refactor existing projects and create a reusable module.

Experience

Full Time

2011–2014 **System Engineer**, *NS Solutions(Shanghai) Co., Ltd.*, Shanghai.
- Designed and implemented features to enhance product functionality, tested bugs and created defect fixes to ensure product quality for more than 5 customers.
- Researched and improved scalability, security, usability and performance of products.
- Analyzed customers' requests, fully understood and dug into their real needs through listening and logical thinking, proposed technical solutions effectively and efficiently.

Internship

2011–2011 **Business Analyst**, *Hewlett-Packard (Shanghai) Co., Ltd*, Shanghai.
- Created reporting tools to raise productivity about 10% for a 5-members reporting group.
- Prepared and generated daily/weekly/monthly reports with SAP&BW systems, which used by more than 30 employees, helped to analyze and deal with exception data.
- Cooperated with HP employees all over the world (US, India, Thai), consolidated and migrated more than 350 kinds of reports to China reporting center.

2010–2010 **Software Engineer**, *AltiGen Communications Inc.*, Shanghai.
- Coordinated with QA testers for unit testing, bug shooting, ensured product experiences of $15,000$ users all around the world.
- Collaborated with product and engineering team members to design and develop integrated add-on for more than 10,000 Outlook & Altigen client users.

Selected Project Experience

2014	**Image Classification with PCA on Spark**, *The Johns Hopkins University*. Applied parallelized PCA, Gaussian Kernel SVM on CIFAR 10 image data set.
2014	**Semi-supervised Chinese Keyword Classification**, *The Johns Hopkins University & E-surfing Video*. Applied Naive Bayes on supervised Chinese keyword segments and predicted its category with 70% accuracy.
2011–2012	**Shiseido Global ETL**, *NS Solutions(Shanghai) Co., Ltd.*. Implemented ETL stage of BI importing processes for relieving Shiseido employees workloads and visualizing data.

Extracurricular Activities

2008	2010 Expo Service Windows Supervisor	*Tongji University*
2007–2008	Volunteer Activities Organizer	*Tongji University*
2007	ROEWE 550 commissioning Assistant	*SAIC Motor*

Skills

Theory	Machine Learning, Distributed System, Big data, OOP
OS	Linux, Windows, iOS
Programming	Java, C++, C#, Objective-C, Python, Ruby on Rails, PL/SQL, Bash
Network	TCP/IP, Service-oriented Architecture (Web Service), REST, JSON
DB	Oracle database (OCP), MySQL, SQL Server 2005+

Languages

English	Professional Proficiency
Japanese	Professional Proficiency
Chinese	Native