Qi Chen

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🎓 Education

University of Southern California, Los Angeles   08/2016 – 05/2018
Master of Science in Computer Science (GPA: 4.0/4.0)

Nanjing University of Posts and Telecommunications, Nanjing   09/2012 – 07/2016
Bachelor of Science in Electrical and Computer Engineering (GPA: 3.71/4.0 (top 10%))

⚙ IT SKILLS

Programming Languages: JAVA, C++, Python, LaTeX
Other Technologies: MySQL, JSON, Hadoop, Spark, HTML/CSS, JavaScript

👥 RESEARCH PROJECT

Cloud Computing Resource Allocation, Nanjing   09/2014 – 05/2015
Research Assistant, Supervisor: Prof. Jianxin Chen
- Proposed a utilization-based migration algorithm to migrate Virtual Machines(VMs) to stable hosts, trading off Quality of Service (QoS) and power consumption
- Evaluated algorithm by Java simulations and results reduced about 75% migrations and saved up to 40% power consumption compared with First Fit Decreasing
- Publication: Qi Chen, et al. "Utilization-based VM consolidation scheme for power efficiency in cloud data centers," in Communication Workshop (ICC), 2015 IEEE International Conference on

👥 SELECTED PROJECTS

Facebook Search: Web Technology, Los Angeles   01/2017 – 05/2017
- Designed a web page for Facebook Search based with HTML/CSS, Javascript and Bootstrap technologies
- Developed a back-end server script for data retrieving and processing using PHP, XML, JSON
- Developed an Android APP with same functionalities

Library Management System, Nanjing   01/2015 – 07/2015
- Implemented a client-server Library Management System using JAVA and MySQL
- Established socket connection between client and server to handle transaction
- Designed Library System E/R Model on MySQL and used JDBC to connect database

Online Social Networking: Android APP/ J2EE, Nanjing   03/2013 – 07/2013
- Developed a social networking APP and implemented chatting, file transmission functions using JAVA
- Responsible for database design on MySQL and database connection using Hibernate
- Implemented back-end server to handle clients' transaction using Servlet and retrieve information from database with HQL

ℹ WORK EXPERIENCE

Intern, IBM Global Technology Services   07/2015 - 09/2015
- Used neural network to reduce 80% bad credit in banks, processed multiple features as the factors
- Assisted in fixing and maintaining the Power Servers and AIX operating system