

# QI CHEN

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## 🎓 EDUCATION

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**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

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Programming Languages: JAVA, Python, L<sup>A</sup>T<sub>E</sub>X

Other Technologies: SQL, JSON, Linux

## 👥 RESEARCH PROJECT

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**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

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**Congress Information Search: Web Technology**, Los Angeles 01/2017 – 05/2017

- Designed a web page for searching U.S. congress information 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 01/2016 – 07/2016

- 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

## 💼 WORK EXPERIENCE

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**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