QI CHEN

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OBJECTIVE

I'm a 2016 FALL CS student and seeking Software Engineering Internship for Summer 2017

EDUCATION

Sept 2016 to June 2018	**University of Southern California**, Los Angeles, US M.S. in Computer Science (GPA 4.0/4.0)
Sept 2012 to June 2016	**Nanjing University of Posts and Telecommunications**, Nanjing, China M.S. in Electrical and Computer Engineering (GAP: 3.8/4.0)

TECHNICAL SKILLS

Programming Language:	Python, JAVA, C++, HTML/CSS, PHP, JavaScript, MATLAB, LaTeX
Other Technologies:	SQL, DynamoDB, J2EE, Hadoop, Spark, JQuery, Apache, Android, IOS, Linux

RESEARCH EXPERIENCE

May 2014 to Mar 2015

Energy Efficient Resource Allocation in Cloud Data Centers

- Proposed a **probabilistic adaptive** overload detection based on central limited theorem to trade off power cost and Service Level Agreement (SLA) cost
- Transformed dynamic VM consolidation into an **optimization problem**
- Evaluated the scheme by **CloudSim** and the results reduced about 77.5%-82.4% migrations and saved up to 39.3%-42.2% power consumption compared with First Fit Decreasing
- **Publication:** Qi Chen, Jianxin Chen, et al. "Utilization-based VM consolidation scheme for power efficiency in cloud data centers," in Communication Workshop (ICC), 2015 IEEE International Conference on, pp.1928-1933, 8-12 June 2015APA (EI)
- **Techniques Used:** Java, CloudSim, Heuristic Function, Optimization Search

SELECTED PROJECTS

Sept 2016 to Dec 2016

Congress Information Search Web and IOS APP

- Designed a web application based on **HTML5/CSS** which searches congress information
- Implemented all functions using **AJAX, JSON, JQuery,** and deployed it on AWS
- Developed that application on **IOS** platform
- **Techniques Used:** HTML5/CSS, AJAX, JSON, Bootstrap, jQuery, AWS and IOS APP

June 2015 to Nov 2015

Flexible Rehabilitation System Based on Wearable Computing

- Designed a three-dimensional wearable **human motion capture** module with **Kinect SDK**
- Applied **extended kalman filter** to improve the accuracy and stability of motion tracking
- **Techniques Used:** Kinect SDK, C++, kalman filter

June 2014 to Oct 2014

Online Intelligent Social Network APP on Android Platform

- Implemented **self-designed** User database tables based on **MySQL**
- Developed several online basic Social Network's functions via **J2EE**, including video chatting, social updates and commenting, etc
- Developed **intelligent recommender system** by users' affection, employing several **machine learning** algorithms
- **Techniques Used:** Java, Android SDK, Hibernate, Struts2, Spring, MySQL, JSON, Tomcat

Academic Achievements

Nov 2015	**The Third Prize in Challenge Cup 2015** (most prestigious science competition in China)
May 2014	**The Best Student Award of NUPT**
Mar 2014	**The Second-class Scholarship of NUPT in 2013-2014 Academic Year** (GPA TOP **5%**)