MR. QI CHEN

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Education

2015.09 to 2016.06	New York Institute of Technology, **USA** Bachelor's Degree in Electrical and Computer Engineering Overall GPA: **3.64/4**
Sept 2012 to June 2015	Nanjing University of Posts and Telecommunications, **China** Bachelor's Degree in Communication Engineering Overall GPA: **4.01/5**

Publication

1. **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)

2. Jianxin Chen; **Qi Chen**, et al. "Utilization-based VM consolidation scheme for power efficiency in cloud data centers," in Journal of Network and Systems Management , under review (SCI, IF: 0.796)

Research Experience

Current June 2015	**Three-Dimensional Flexible Rehabilitation System Based on Wearable Computing** Nanjing University of Posts and Telecommunications, Advised by: Liang Zhou

- **Principal investigator**. Responsible for implementing vision system and optimizing algorithms
- Developed **flexible** rehabilitation system based on wearable computing, which could potentially inspire new **business model** and **revenue streams**.
- Participated in designing a three-dimensional wearable **human motion capture** module and applied **extended kalman filter** to improve the accuracy and stability of motion tracking
- Presented our rehabilitation system in **Challenge Cup 2015**, in Guangzhou, China and Developed a testbed in **National Olympic Fencing Team** at Nanjing Sport Institute

May 2014 to Mar 2015	**Multi-Resource Energy Efficient Resource Allocation in Cloud Data Centers** Nanjing University of Posts and Telecommunications, Advised by: Jianxin Chen

- Designed a **utilization-based dynamic** Virtual Machine (VM) migration framework for cloud computing
- Proposed a **probabilistic adaptive** overload detection based on central limited theorem, defined a **normalized utilization-based** host performance function, trading off power cost and Service Level Agreement (SLA) cost
- Transformed dynamic VM consolidation into an **optimization problem** so that most of hosts are almost in **achieving optimal status**
- Evaluated the scheme by **CloudSim** and the results show that it reduces migration cost and SLA violation effectively
- Published a paper on **ICC Workshop 2015** and expanded it on **Journal of Network and Systems Management**

June 2013 to Oct 2013	**Online Intelligent Social Network APP on Android Platform** Nanjing University of Posts and Telecommunications, Advised by: Jianxin Chen

- Responsible for **database creation and server-side**: 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 analyzing users' affection, employing several **machine learning** algorithms

Academic Achievements

Nov 2015	**The Third Prize in Challenge Cup 2015** (most prestigious competition of science in China)
July 2013 to July 2015	**The Dean's Honor Award of NYIT** (won every year)
May 2014	**The Best Student Award**
Mar 2014	**The Second-class Scholarship in 2013-2014 Academic Year** (GPA TOP **5%**)

Technical Skills

Operating Systems:	Mac OS, Linux, Windows
Programming Language:	JAVA(J2EE), C++, Python, MATLAB, LaTeX, MySQL