Qi Chen

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OBJECTIVE Seeking Software Engineer intern summer 2017

EDUCATION

University of Southern California Aug.2016 - May.2018
- Master's Degree in Computer Science GPA: 4.0/4.0

New York Institute of Technology Sep.2012 - Jun.2016
- Bachelor's Degree in Electrical and Computer Engineering GPA:3.7/4.0

SKILLS

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

RESEARCH EXPERIENCE

Energy Efficient Resource Allocation in Data Centers May.2014 - Mar.2015

Research Assistant, Supervisor: Prof.Jianxin Chen
- Proposed a utilization-based **VM migration** frame- work for cloud computing
- Define the performance function and design a utilization-based migration scheme to optimize the VM placement
- Evaluate the scheme by simulations and the results show that **10%** hosts have low utilizations compared to **58%** of MinPower policy
- **Publication:** **Qi Chen**, Chen J, Zheng B, et al. Utilization-based VM consolidation scheme for power efficiency in cloud data centers[C]//Communication Workshop (ICCW), 2015 IEEE International Conference on. IEEE, 2015: 1928-1933.

Human Activity Inference on Smartphone Jul.2013 - Mar.2014

Research Assistant, Supervisor: Prof.Jianxin Chen
- Developed a modified Apriori algorithm to mine relationships among various activities and then to infer one activity from other already-known activities.

SELECTED PROJECTS

Congress Information Search Web and IOS APP Sept.2016 - Dec.2016
- Designed a congress information search web using **HTML5/CSS**
- Applied **AJAX, JSON and JQuery** to implement all functions
- Deployed our web and IOS APP on AWS
- **Techniques Used:** HTML5/CSS, AWS, JSON, AJAX, jQuery and IOS JDK

Automatic Collision Avoidance in Vehicle Aug.2015 - Sep.2015
- Developed a **Collision Avoidance System** where toy cars can avoid collision automatically
- Developed a following car module where rear car follows the front car by the control its speed and direction
- **Techniques Used:** C++, Arduino

Professor Rating Application Mar.2015 - Jul.2015
- Developed Professor Rating Application utilizing JDBC/JSP on Tomcat
- Allowed users to rate Professor by course, evaluate result, and perform a variety of analytical reporting
- **Techniques Used:** Java, MySQL, JDBC, JSP, Tomcat