Qi Chen

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OBJECTIVE

Seeking a Software Engineer Intern position for 2017 Summer

EDUCATION

University of Southern California, Los Angeles, CA   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%)

TECHNICAL SKILLS

Programming Languages:	Java, Python, Matlab, Latex
Other Technologies:	SQL, HTML/CSS, Javascript, PHP, JSON, Linux

RESEARCH PROJECT

Energy Efficient Resource Allocation in Data Centers   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 (Link)

SELECTED PROJECTS

Congress Information Search: Web Technology   01/2017 - 05/2017
- Designed a web page for searching U.S. congress information based with HTML, CSS and Bootstrap technologies
- Developed a back-end server script for data retrieving and processing using PHP, XML, JSON
- Deployed that web page on AWS

Automatic Collision Avoidance in Vehicle   09/2015 - 12/2015
- Developed a Collision Avoidance System where toy cars can avoid collision by automatic control of their speed and the distance from neighboring cars
- Designed my own toy car using 3D-printing and integrated hardware units
- Developed a following car module where toy cars follow the front car including making turns and adjusting speed

Online Social Networking: Android APP/ J2EE   03/2013 - 07/2013
- Developed a social networking app where users can add friends, chat and post photo etc.
- Configured using Hibernate for the Database connection and Hibernate Query Language to add and retrieve information from database
- Developed Servlets to handle users' requests and implemented chatting and file transmission based on socket

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