Qi Chen

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🎓 EDUCATION

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

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

👥 RESEARCH PROJECT

Energy Efficient Resource Allocation in Data Centers, 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

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 and Bootstrap technologies
- Developed a back-end server script for data retrieving and processing using PHP, XML, JSON
- Deployed that web page on AWS

Target-tracking robot based on Kinect,Nanjing   01/2016 – 07/2016
- Obtained dynamic 3D contours of face in 30 frames per second using Windows SDK and OpenCV(C++), computed the face coordinate as the input of the control algorithm
- Designed a fuzzy control algorithm instead of bang-bang control using C++, decreased 50of the robot
- Used C++ to establish serial port communication between Arduino and PC

Online Social Networking: Android APP/ J2EE, Nanjing   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

ℹ 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