

CHRIS CHAN

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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, L^AT_EX

Other Technologies: MySQL, JSON, Hadoop, Spark, HTML/CSS, JavaScript

👥 RESEARCH PROJECT

Cloud Computing Resource Allocation, 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

Facebook Search: Web Technology, Los Angeles 01/2017 – 05/2017

- Designed a web page for Facebook Search based with HTML/CSS, Javascript and Bootstrap technologies
- Developed a back-end server script for data retrieving and processing using PHP, XML, JSON
- Developed an Android APP with same functionalities

Target-Tracking Robot Based on Kinect, Los Angeles 08/2016 – 12/2016

- 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 50% response time of the robot
- Used C++ to establish serial port communication between Arduino and PC

Library Management System, Nanjing 01/2015 – 07/2015

- Implemented a client-server Library Management System using JAVA and MySQL
- Established socket connection between client and server to handle transaction
- Designed Library System E/R Model on MySQL and used JDBC to connect database

Online Social Networking: Android APP/ J2EE, Nanjing 03/2013 – 07/2013

- Developed a social networking APP and implemented chatting, file transmission functions using JAVA
- Responsible for database design on MySQL and database connection using Hibernate
- Implemented back-end server to handle clients' transaction using Servlet and retrieve information from database with HQL