Qi Chen

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🎓 EDUCATION

University of Southern California, Los Angeles   08/2016 – 05/2018
Master of Science in Computer Science (GPA: 3.75/4.0)

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, PHP, JavaScript, Python, LaTeX
Web Technologies:	MySQL, Apache, HTML/CSS, AngularJS, BootStrap, AWS
Other Technologies:	Linux, Android SDK, Hadoop, Spark, Machine Learning, Web Mining

ⓘ WORK EXPERIENCE

Software Engineer Intern, Frenzy.AI Inc., Los Angeles   05/2017 - 08/2017

- Developed and updated web scraping to retrieve product's data from 40,000 shopping sites and blogs
- Applied dictionary tree to implement NLP, processing blog text and extracting product information (Brand, Category, Color and Material etc.) on PHP
- Implemented our visual recognition using IBM Watson, classifying various item images into specific category class and training custom classifiers through 120,000 images.

👥 SELECTED PROJECTS

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

- Built a web application for users to query friends, post pictures and comments through Facebook API, using HTML/CSS, Javascript and Bootstrap technologies
- Developed a back-end server script for data retrieving and processing using PHP, JSON, deployed on AWS
- Developed an Android APP with same functionalities using Android SDK

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

- Implemented a client-server Library Management System using Java, MySQL and socket
- Established socket connection between client and server to handle transactions (query, update, delete etc.)
- Designed Library System E/R Model on MySQL and applied 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 client's query using Servlet and retrieve information from database

👥 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