

# YOUZHENG CHEN

University of Southern California  
Los Angeles, CA 90089  
United States

URL: <http://cloudzfy.github.io>

## EDUCATION

**University of Southern California, United States** *Present*  
Master of Science in Computer Science

**Beijing University of Posts and Telecommunications, China** *June 2013*  
Bachelor of Engineering in Software Engineering  
GPA: 3.60/4.00(overall) 3.82/4.00(major)

## PROJECTS AND RESEARCH EXPERIENCES

**JAIN SLEE Access Control System & Call Center** *Nov. 2012 - Present*  
Project Website: <http://cloudzfy.github.io/gryffin-as>  
Designed IMS Media Resource Controller for Interactive Voice Response (IVR) function  
Designed and implemented MRCPv2 Resource Adaptor of JAIN SLEE Framework  
Integrated JVoiceXML to enhance extensibility of Media Resource Controller

**AtMars Microblog Open Source Project** Team Leader *July 2012 - Aug. 2012*  
Project Website: <http://cloudzfy.github.io/atmars>  
Designed the architecture of AtMars Microblog in Struts + Spring + Hibernate (SSH) Framework  
Designed user interface of AtMars in HTML5, Javascript and CSS3

**ECHelper Mobile Health System** Team Leader *Jan. 2012 - Apr. 2012*  
Project Website: <http://cloudzfy.github.io/echelper>  
Designed the architecture of ECHelper with multiple Microsoft Technology (Windows Azure, Windows 8, Windows Phone 7, etc)  
Designed hardware driver for ECG sensor to record patient data

**Kinect Sports Director** Team Leader *Sept. 2011 - Jan. 2012*  
Designed WPF Application to recognize body skeleton by Microsoft Kinect SDK  
Designed algorithm for measuring the differences between users actions and standard actions

**Doubango-based IMS UE for Teaching Cases** Team Leader *Nov. 2011 - May 2012*  
Project Website: <http://cloudzfy.github.io/myboghe>  
Designed and implemented the IMS client and IMS server for Private Chat, Public Chat and Presence Service  
Designed the teaching experiments for three weeks on Doubango-based IMS UE in a simplified model

**SIP Communication Simulation in QualNet** Team Leader *Oct. 2010 - June 2011*  
Used simulation platform QualNet produced by SCALABLE Network Technologies  
Simulated Proxy routed SIP-based VoIP in different domains  
Analyzed and designed QualNet components for SIP simplified model

## PUBLICATIONS

“Research and Implementation of an IMS-based AS/MRFC Model for IVR Services”, **Youzheng Chen**, Baozhong Cheng, and Xiaoyan Zhang, *IT Convergence and Security (ICITCS), 2014 International Conference on*, 2014, pp. 1-5

“Development of Doubango-based IMS UE for Teaching Experiments”, **Youzheng Chen**, Baozhong Cheng, Xiaoyan Zhang, Yi Sun, Jin Xie, and Kun Li, *IT Convergence and Security (ICITCS), 2013 International Conference on*, 2013, pp. 319-322

“Two exploring experiments on IMS service based on SIP AS”, Kun Li, Baozhong Cheng, Xiaoyan Zhang, **Youzheng Chen**, *International Journal of Multimedia and Ubiquitous Engineering*, 2014, pp. 375-386

## HONORS AND AWARDS

Scholarship in the People's Daily Online 2012 (Top 1.01%)	<i>Oct. 2012</i>
Third Prize in the Software Design Challenge of Microsoft Imagine Cup 2012 (Top 0.13%)	<i>Apr. 2012</i>
Silver Award of the Sixth ACM-ICPC School Contest of BUPT (Top 2.47%)	<i>Mar. 2012</i>
Honorable Mentions in the 2012 Mathematical Contest in Modeling	<i>Feb. 2012</i>
Second Prize in the 2011 China-Pub Cup Global Mathematical Modeling Certificate Contest	<i>May 2011</i>
Second-class Scholarship, Beijing University of Posts and Telecommunications	<i>Nov. 2011</i>
Third-class Scholarship, Beijing University of Posts and Telecommunications	<i>Nov. 2010</i>
Second Prize in the Chinese Mathematical Olympiad in Senior	<i>Oct. 2008</i>
First prize in the National Mathematical Contest for Junior High School Students (Top 2.81%)	<i>Apr. 2006</i>

## PROGRAMMING SKILLS

C, C++, C#, Java, Matlab, L<sup>A</sup>T<sub>E</sub>X, Unix Shell Script