

Rui Zhang(Ray)

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<https://sprintz.github.io>

EDUCATION

University of Southern California

Master of Science, Computer Science, GPA 3.93/4.00

Los Angeles, CA

Expected May 2017

Sichuan University

Bachelor of Engineering, Software Engineering, GPA 86.58/100

Chengdu, China

July 2015

COURSEWORK

Foundations of Artificial Intelligence, Analysis of Algorithm, Web Technologies, Advanced Mobile Devices and Games
Consoles, Database System, Information Retrieval and Web Search Engines

TECHNICAL SKILLS

Programming Language: Java, JavaScript, HTML, CSS, PHP, C#, C++, SQL

Tools & Platform: Eclipse, Coda, Brackets, Android Studio, Microsoft Visual Studio, MySQL, SQLite, Unity, Android

PROJECT EXPERIENCE

Go Emoji Mobile Game (http://www-scf.usc.edu/~zhan581/website/emoji_home.html)

- Developed an adventure mobile game using Unity and C# and built on iOS and Android platform.
- Designed and implemented Forest Stage including environment construction, character control and AI behavior.
- Built store and upgrade system throughout stages and helped to integrate all stages in projects.

The Geo-relation Mutual System

- Applied the Netty framework based on the Socket to increase the effectiveness of the data stream interaction.
- Developed an algorithm to precisely match client and customer based on specific problem type and common interest.
- Responsible for Android application and created a user-friendly interface on Android platform.

Stock Search Website & Android Application (<http://cs-server.usc.edu:30308/hw8/stock.html>)

- Developed a responsive website to search for stock information and save them in favorite list.
- Implemented front-end using Bootstrap, JQuery, AJAX, JSON, local storage and Facebook API.
- Implemented back-end using PHP and deployed on Amazon Web Service.
- Developed a corresponding Android application with the same function.

Seismic Monitoring and Warning System

- Created application to detect crowd-source earthquake by monitoring vibrations of gyroscope in laptops.
- Designed algorithms to reduce noise and determine the occurrence of earthquake accurately.
- Developed notification Android application to warn affected people within 3 seconds of detection.

WORK & INTERNSHIP EXPERIENCE

Neusoft Inc.

Intern in the Java R&D department

Dalian, China

February-April 2014

- Participated in training program focus on web development and Android application.
- Implemented weather forecast Android application using data of Chinese Meteorological administration.

91bnb Travel Inc.

IT Internship

Los Angeles, CA

June 2016-August 2016

- Developed and maintained company database and internal information management website using JavaScript, JQuery, PHP and MySQL.
- Managed customers' inquiries and house rental information in database and precisely matched them.
- Worked as full-stack developer in achievement report pages using different kinds of charts and tables to display data.