

Rui Zhang(Ray)

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EDUCATION

University of Southern California

Master of Science, Computer Science, GPA 3.85/4.00

Sichuan University

Bachelor of Engineering, Software Engineering, GPA 86.58/100

Los Angeles, CA

Expected May 2017

Chengdu, China

July 2015

COURSEWORK

Foundations of Artificial Intelligence, Analysis of Algorithm, Web Technologies, Advanced Mobile Devices and Games Consoles

TECHNICAL SKILLS

Programming Language: Java, JavaScript, C#, C++, SQL

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

PROJECT EXPERIENCE

Go Emoji Mobile Game(http://cs-server.usc.edu:30308/website/emoji_home.html)

- Developed an adventure mobile game with seven stages using Unity and C# in iOS and Android platform.
- Designed and implemented forest stage including character control and AI behavior.
- Built complete store and upgrade system and integrated 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.
- Designed user interface to create a user-friendly interface using the Android platform.

Handwriting-based Tool for Windows 8 Tablet

Team leader

- Developed an application to recognize handwritten equations via photo and solve them.
- Packaged the data in JSON and used the API to translate words and sentences online.
- Used the multi-media equipment in terminal to record words, pictures and videos.
- Created a Windows 8 app with the metro style and published on the Windows 8 App Store.

Seismic Monitoring and Warning System

Team leader

- Created application to crowd-source earthquake detection by monitoring vibrations of personal computers.
- Designed algorithms to reduce noise and determine the occurrence of earthquake.
- Developed notification system 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 and designed an Android application to use the data of Chinese Meteorological Network for weather forecast.

91bnb Travel Inc.

IT Internship

Los Angeles, CA

June 2016-Present

- Assisted in developing and managing company website and mobile APP.
- Developed and managed company database and internal information management systems.