

Fan(Sara) Zhang

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EDUCATION

University of Southern California, Los Angeles

Aug. 2017 – Present

Master of Science in Computer science

Hohai University, China

Sept. 2013 - June. 2017

Bachelor of science in Computer Science (Cumulative GPA: 3.76/4.0, Rank: 4/89)

Technical Skill

Programming:

Java, C++, SQL, JavaScript, MATLAB, Python

Web Technologies:

HTML/CSS, Android SDK, Node.js, Tomcat

INTERNSHIP EXPERIENCES

Ericsson Communications Co., Ltd. Development Intern

May. 2016 - Oct. 2016

- Used basic programming language to achieve frames and interfaces among different programs;
- Participated in the software development of router platform and mainly took charge of the infrastructure, e.g. event handling, IPC, ISM and HA;
- Developed new features upon receipt of clients' requests, e.g. adding thread to improve speed;
- Appointed to a cross-functional team, attended stand-up meetings, telephone and video conferences. Discussed some regular problems and found some algorithms to improve that.

Runnar Technology Co., Ltd.

Technical Assistant

May. 2015 - Sept. 2015

- Managed the data of registered users, designed Object-Relational Mapping database;
- Established database connection with SQL, implemented server to handle query using Servlet;
- Participated in development of information update and WeChat client to facilitate the process of registration, searching and payment using Java.

PROJECT

Graduation project

Developer

2017

- Designed an Android APP for driver's school to make customers learn drive more easily;
- For front end development, used XML to design layout, used Fragment, ListView and Adapter to achieve functions, e.g. adding information, contacting coach, signing up with APP, searching information;
- Called interfaces to load map from Internet, used functions to find location.

Sound Retrieval

Developer

2016

- Found if existed words in a paragraph of speech, and showed the numbers and location of the words;
- Built the pronouncing dictionary through exercising lots of words and speeches;
- Used Hidden Markov Model to establish a network to check if existed same pronunciation.

National Youth Game

APP Developer

2015

- Developed an APP for timely information update, e.g. time, venue, number of medals, athletes, etc.
- Designed templates using Java and connected the program with Internet to update the info timely;
- Tested modules, e.g. function test, interface test, stress test, performance test, robustness test.

Youth Olympic Games

Technology Developer

2014

- Responsible for the processing of information displayed on the screen for handball events;
- monitored the displaying information, receiving and posting game data from control center;
- Designed procedures with Java using given frames to manage time through competitions.

HONORS & AWARDS

National Scholarship (1/89), Ministry of Education of PRC

Sept. 2016

Third Prize, "China Software Cup" Software Design Competition for College Students

Sept. 2016

Scholarship for Academic Excellence, HHU

Sept. 2015

Top Prize, Math China Modeling Contest

Feb. 2015