

Xinwei(SuM)

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EDUCATION BACKGROUND

Computer Science(Master)	University of Southern California (USC)	Aug 2015 - May 2017	GPA: 3.4
Software Engineering(Bachelor)	Huazhong Uni. of Sci. and Tech. (HUST)	Sept 2011 - Jun 2015	GPA: 3.4

WORK EXPERIENCE

Livety (<https://www.livety.com/>) **Winter 2015**

- Customized the stripe API and load the stripe.js asynchronously(boost the performance of the website).
- Got familiar with team-work tools such as git, slack and source tree. We used coffee script, stylus and jade to develop the front-end.
- Handled a bunch of bugs generated by other programmers, practiced front-end debugging skills.

PROJECT EXPERIENCE

Weenix Operating System **Spring 2016**

- Implemented a operating system base on unix in the Linux environment. Wrote many function to support OS kernel such as support process and thread functionality, support virtual file system and support virtual memory system.
- Using gdb to debug and implemented many kernel data structure such as linked-list, hash-table etc.

AndroidSee (An Automated Test Tool for my testing course) **Fall 2015**

- Employed the WebSee approach to detect presentation failure in mobile apps.
- Executed Android app remotely using ADB.
- Used WebSee tool to process and analysis the difference of two images(detect presentation failure) generated by UIAutomator.
- Built R-Tree based on the xml file generated by UIAutomator and locate the failure precisely.

Android App for Weather Forecast **Fall 2015**

- Built a good-looking Android app using Android SDK.
- Added social networking features using the Facebook SDK.
- Added map features using the AERIS weather SDK.

Single Web Application (AWS, Responsive Design) **Fall 2015**

- Implemented a weather forecast searching system using HTML, CSS for front-end, PHP for back-end and AJAX for communication.
- Enhanced the user experience using Bootstrap and JQuery UI.
- Provided an interface to perform weather forecast search and share function using a bunch of APIs such as Facebook, Google Maps Geocoding and Forecast.io.

Photo Management Application (C++ / MFC+VS2010) **Spring 2015**

- Developed a photo management system for my graduate project.
- Mainly in charge of the client-side coding using C++ based on MFC framework.
- Implemented file transfer function based on TCP/IP and helped to integrate my teammates' module.

EXTRACURRICULAR ACTIVITIES

Guitar Association, HUST **President**

- Led the daily operation of the association, including the communications with over 400 members, planning and management of different activities.
- Organized the annual association festival, such as Rock Festival.

SKILLS

Programming Languages **Java, Python, C, PHP**

Skillset **Linux, Version Control(git), MySQL**