Runxuan Wei
(213) 271-7418

Slate Place, San Jose, CA, 95133

runxuanw@usc.edu

EDUCATION

University of Southern California   May 2017

Master of Science, Computer Science   GPA 3.43

University of Southern California   May 2015

Bachelor of Science, Computer Science   Major GPA 3.5

Awarded Dean's List of Viterbi School of Engineering 2014, 2016

Related Coursework

Algorithms & Data Structure	Machine Learning	Probability and Statistic
Artificial Intelligence	Natural Language Processing	Software Development
Database Development	Operating System	Web Technologies

SKILLS

Tools/Technologies: Apache 6, AngularJS 1.5, AWS Beanstalk & EC2, Bootstrap 3, Cygwin, DOM, Drupal 7, Eclipse 4.4, Git, MySQL, RESTful API, RDBM, MySQL Workbench, (Linux) Ubuntu 12, WordPress, XML

Programming Languages: Java, Python, PHP, SQL, JavaScript, HTML, CSS3, C++

WORK EXPERIENCE

USC Keck School of Medicine, Los Angeles, CA   Nov 2016 - Mar 2017

Front-end Developer – Student Worker, Department of Molecular Microbiology and Immunology

- Cooperated on internal data management website development with AJAX, JavaScript, JQuery and PHP.
- Implemented module parts in Drupal 7 framework to replace specific tag content with developed interface.

USC Viterbi School of Engineering, Los Angeles, CA   Feb 2015 - Apr 2016

Research Assistant, Center for Rapid Automated Fabrication Technologies (CRAFT) Lab

- Designed path planning algorithm in Java to optimize printing time and part handling for special 3D printer.
- Simplified user's workflow by modifying open-source 3d-processing software in Python.
- Solved rapid layer changing problem to allow complex object from being extracted.

PROJECTS

Facebook Search Website   April 2017

- Deployed a website on AWS Beanstalk to perform Facebook search and post share message.
- Created responsive web design for different window size with Bootstrap grid layout and media query.
- Utilized AngularJS directives and CSS 3 for sliding animation between pages and displaying tables.
- Implemented AJAX call to retrieve JSON data through Facebook Graph API in PHP script.

Android Search App   April 2017

- Built an Android App to perform Facebook search and post share message using Android SDK.
- Designed user interface for Activity in XML files and combined Adapter and ListView to show JSON data.
- Utilized Facebook SDK to add social networking features and retrieved data with Facebook Graph API.

Fitness Management Website (extracurricular)   Feb 2015

- Cooperated with teammate to create a fitness management website and presented data dynamically.
- Applied Java Servlet on server side; jQuery, JavaScript on client side; MySQL for database management.

SimCity Project   Fall 2013

- Designed software agents behaving similar to SimCity in Java using Eclipse.
- Simulated a restaurant with different types of agents and presented in Java GUI; used semaphore with scheduler to solve multi-threading, concurrency and data sharing problems among agents.
- Integrated code with team members on GitHub and constructed unit tests with interface for debugging.