**Shengqian (Peter) Liu**

(812) 239-8457, [lius@g.ucla.edu](mailto:lius@g.ucla.edu)

**EDUCATION**

**UNIVERSITY OF CALIFORNIA, LOS ANGELES** GPA: 3.4/4.0Los Angeles, CA

***Bachelor of Science, Computer Science*** Mar 2016

**ROSE-HULMAN INSTITUTE OF TECHNOLOGY** GPA: 3.9/4.0Terre Haute, IN

***Computer Science***Sep 2011 – May 2013

**COURSES & SKILLS**

Languages: **Java**, C++, PHP, OOD, C, Shell, HTML, CSS, JavaScript, JQuery

Platforms: MySQL, MSSQL, MangoDB, Git, JUnit, Tomcat, Android Studio

Courses: Algorithms and Data Structure, Database Systems, Web and Mobile Development, Big Data, Cloud Computing

**WORKING EXPERIENCE**

**TOUCHCOMMERCE:** to support live chat to customers such as AT&T Agoura Hills, CA

***Web Development Intern*** Jul 2015 – Sep 2015

* Worked at the application support team to debug software malfunctions
* Designed and implemented several admin tools to integrate RESTful APIs and displayed JSON format data in dynamic charts and interactive UI
* Built a web service to fetch/convert data from JIRA/Intervals API using R, PHP, and JavaScript (d3.js)
* Coordinated with Network Operation team to maintain the company’s system monitoring

**CHUNLAN ELECTRIC**: one of the largest vacuum cleaner manufacturers in China Hangzhou, China

***Software Development Intern*** Jun 2011 – Aug 2011

* Worked at the IT support team to provide daily technical support to employees
* Debugged the company website (HTML and CSS) to maintain its healthy status and improve performance
* Designed and documented an ordering system that is flexible, expandable and easy to maintain
* Implemented features such as inventory visibility and order fulfillment using Java
* Presented and demoed the system to the sales department

**ACADEMIC PROJECTS**

**MySpoon:** a customized restaurant recommendation serviceApr 2016 – current

* Created a website (HTML/JavaScript) that use personalization to improve restaurant search and recommendation based on search history
* Developed a web service (RESTful API) using Java servlet to fetch restaurant data from Yelp API
* Utilized MySQL/MongoDB to store user preference and restaurant information.
* Deployed services to Amazon EC2 and tested with unit tests

**MyCollegeGuide:** a personalized college application guide Feb 2016 – Mar 2016

* Designed and programmed a tool in Matlab using matrix modeling for individuals to find their best-fit college
* Modeled similarity of colleges using Principal Component Analysis and Least Squares Regression
* Improved the precision to avoid over-fitting issue using cross-validation
* Evaluated and verified the performance with data from 1590 U.S colleges

**B2BTutoring**: an iOS app to provide academic tutoring to college students Sep 2015 – Dec 2015

* Collaboratively developed an iOS application to help college students to find tutors to teach them and explore brand new things
* Designed the main features including search, explore and group message to provide better user interaction
* Improved the UI performance by caching remote resources on disk for later use (Haneke)
* Tested the web service and app with unit tests (Xcode)

**AWARDS**

* Dean’s Honor List, UCLA (Winter Quarter 2016)
* Dean’s Honor List, Rose-Hulman Institute of Technology (December 2011 – May 2013)
* Rose-Hulman Global Scholarship (top 50 students among 1000 global applicants)
* Certificate Prize, Alfred R. Schmidt Freshman Mathematics Competition, Rose-Hulman Institute of Technology (top 10 students among 100 freshmen)