Haimeng Song

1246 West 30th St. , Los Angeles, CA 90007 · (213) 234-8011 · haimengs@usc.edu

OBJECT

Seeking a Software Development Internship position for Summer 2017

EDUCATION

University of Southern California, Los Angeles, CA *May 2018*
Master of Science, Computer Science GPA: 3.85/4.0
Courses: Analysis of Algorithms, Web Technology

Sun Yat-sen University, Guangzhou, China
Bachelor of Science, Computer Science GPA: 3.8/4.0 July 2016
Courses: Data Structure and Algorithm, Operating System, Computer Networks

TECHNICAL SKILLS

Programming Languages: Java , HTML/CSS, JavaScript, PHP, SQL, C++
Application: Android Studio, Intellij IDEA, Eclipse

PROJECT EXPERIENCE

File Sharing Mobile Application | *Java / SQL* *Feb. 2017-Mar.2017*
- Designed and developed an mobile application for peer-to-peer file sharing
- Implemented communication mechanism between service and activity components using binder and observer design pattern
- Created user-friendly screens using customized UI components and animations
- Used Thread pools and handler thread to increase the reusability of threads and avoid memory jitter
- Implemented network communication via UDP sockets and TCP sockets for broadcasting and file transfer

Facebook Search Project | *HTML5 / CSS / JavaScript / PHP* *Feb. 2017-Mar. 2017*
- Created a HTML5 responsive webpage using BootStrap and JQuery that allows users to query about Facebook entities: users, pages, groups, events and places
- Created a PHP script to fetch a JSON formatted data stream via Facebook Graph APIs and return it to the front-end previously sending AJAX requests

Shopping Mobile Application | *Java* *Jan. 2017-Feb. 2017*
- Created a user-friendly interface using customized UI components, a touch-to-zoom animation and a tween animation for adding to the cart
- Applied Retrofit2 to handle RESTFUL requests, Gson to parse Jason data and AsynTask to load images into image cache asynchronously

Operating System Process Scheduling and Resource Management Program | *C++*
- Implemented the process scheduling mechanism using combined time-slice cycling strategy with priority; Designed the data structure of resources
- Designed an improved banker's algorithm to avoid the deadlock problem