Kevin(Jiayuan) Huang

jiayuanh@usc.edu   (213)610-4198
University of Southern California, Los Angeles, CA 90007

OBJECTIVE

An internship opportunity in Computer Science related filed during summer 2016.

EDUCATION

University of Southern California(USC) – Los Angeles, CA   Aug. 2015 - May. 2017(Expected)
  M.S. Computer Science, 2015 fall GPA: 3.7/4.0
Beijing Jiaotong University(BJTU) – Beijing, China
  B.Eng. Electrical Engineering, Overall GPA: 89/100 (Top 5%)   Sept. 2011-Jul. 2015

COMPUTER SKILLS

Programming: Java, C++
Operating System: Linux, Mac, Windows

PROGRAMMING PROJECTS

Hash Table Implementation, *C++*   Dec. 2015
- Designed a hash table class by using C++ linked list.
- Defined and implemented the interface of functions to do operations on an single linked list and the table.
- Tested table class by applying it to build an other class called grade where can store the grade information for students.

Socket Programming, *C/C++*   Dec. 2015
- Simulated a system that can run Dijkstra algorithm to build a map of the network topology.
- Implemented communication between clients and server by using TCP/UDP socket programming.

Maze Search, *Java*   Oct. 2015
- Developed a 2D Maze Search graphical class using incremental development.
- Implemented the maze data file-reading by using java I/O method.
- Designed a backtracking algorithm for efficiently searching the maze path.

Bulgarian Solitaire card game, *Java*   Sept. 2015
- Developed a card game java class according the public interfaces given by client and using incremental development.
- Implemented and used a private sanity-check method to test the representation invariant of the card game class.
- Designed a simulation class for the card game.

Mobility Model for Mobile Ad Hoc Network(MANET) Simulation, *Matlab*   May. 2014
- Collaborated with group member to design a mobility model for MANET simulation based on human interest, social relationship, user schedule and human interaction.
- Used MATLAB to simulate the proposed model and the result successfully showed many mobility characteristics of the real world.

AWRADS

Excellent graduate of the class of 2015(top 5%) **–** BJTU   June. 2015
National scholarship (top 1%) **–** Ministry of Education of China   Nov. 2014
Three consecutive years of excellent learning scholarship (top 10%) **–** BJTU   2012-2014

LEADERSHIP&TEAMWORK EXPERIENCE

Team leader in course project of electronic systems – BJTU   2014
  Collaborated with other teammates and played in a core role in finishing a DC load system for every required function.
Captain of Basketball Team of EE dept – BJTU   2013-2014
  Organized training and competition, won the MVP & FMVP in the Collegiate Basketball League.