Kenan Li

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Education

Master of Science in Electrical Engineering *Spring 2013 - present. Expected Dec. 2014*
Focusing on Computer Networks
Viterbi School of Engineering, University of Southern California (USC)

Bachelor of Science in Electrical Engineering *2008 - 2012*
Huazhong University of Science and Technology (HUST), Wuhan, China

Relevent Courseworks

Computer Networks, Broadband Network Architectures, Wireless and Mobile Networks,
Design and Analysis of Computer Communication Networks,
Wireless Internet and Pervasive Computing

Internship

Product Marketing Specialist, *SourceRight/Siemens Corporation* *Summer 2013*

- Location: Alpharetta, GA
- Assist with cross functional activities related to training, documenting, tools and marketing. Assist in developing new products or enhancing existing product lines

Skills

Programming: C/C++, JAVA, Python, HTML, CSS
Tools: MATLAB, Eclipse, Vim, LaTeX, Sublime Text, OPNET, Wireshark, Excel
OSs: Linux, Mac OS, Microsoft Windows
Languages: English, Chinese (Mandarin)

Projects

Unix Socket Programming *Spring 2013*

- Simulated an an intelligence coordination system allowing two ends to communicate in a network with client-server architecture, using C/C++
- Both Stream-Sockets (TCP) and Datagram Sockets (UDP) were implemented

Protocol Analysis/Wireshark *Spring 2013*

- Performed TCP/IP Protocol Analysis using Wireshark
- Protocols analyzed include DNS, DHCP, TCP and IP

Network Simulation/OPNET *Spring 2014*

- Simulated wired networks and WAN such as Ethernet (Shared and Switched) and 802.11 Wi-Fi
- Simulated Routing Protocols (RIP/OSPF)

Unix Kernel Project *Fall 2013*

- Wrote part of Unix kernel on Weenix using C
- Implemented kernel threads, VFS layer and virtual memory

Driving Recorder Application *Spring 2014*

- Designed a driving assistance system offering loop recording and real-time driving information
- Designed a driving assistance system offering crash detection and automatical emergency call
- Programmed an Android Applicaiton using JAVA