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

Tools: MATLAB, OPNET, Wireshark, EXCEL, LaTeX

Languages: English, Chinese (Mandarin)

Projects

Unix Socket Programming
Spring 2013

- Simulated an inventory system allowing outlets to exchange instant messages with a central warehouse, 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.