

About Me

Enthusiastic, collaborative, optimistic, open and eager to learn.
Interested in writing software, dancing, designing, and traveling.
Live a life full of "Explore. Dream. Discover."

Education

Beijing Jiaotong University

M.S. degree in Electronic and Information Engineering

BEIJING, CHINA

2012 – expected Mar '15

Jilin University

B.S. degree in Telecommunication Engineering

JILIN, CHINA

2008 – 2012

Publications

- Wendi Weng, "Research on detecting rail-steel's surface flaws using a quick adaptively comparing algorithm based on machine vision," Journal, Month Year.

Employment and Experience

China Mobile Group Design Institute

BEIJING, CHINA

Networking Software Engineer Intern

Sept'13 – present

- Involved in migrating codes of Monte Carlo based simulation platform from C to C++, which simulates the interference of multiple other communication systems to LTE system, including main modules such as modeling, interference calculation, encoding scheme selection, and comparative SNR output etc.
- Involved in tests of interference between TD-LTE and Radar system in 2,300-2,400 MHz; Designed and configured test network topology; Designed test framework and generated Python automation test scripts analyzing the interference under all different situations of configured systems.
- Involved in developing spectrum management service that provides availability and information of inquired spectrum band; Designed the frond-end of spectrum inquiry input/output and interface to be integrated with other services under ASP.NET framework.
- Researched on empirical formula and algorithm to analyze and detect interference type between different wireless systems and TD-LTE system, which significantly improves the analyzing time and efficiency compared to manual analysis mostly used in current China Telecom industry; Involved in developing the software in C#, including main modules such as MySQL data input, classification algorithm, and output analysis etc.

Beijing Jiaotong University

BEIJING, CHINA

Research Assistant

Mar'13 – Aug'13

- Involved in developing and maintaining Coal Project Management System in C++; Designed and developed the HR management subsystem, including the connection to the database and main system.

Extracurricular Activities

- Main Organizer** - Graduate School Annual Performance Events (1,000+ ppl.) 2013 – 2014
- Main Organizer** - IEEE student branch in Beijing Jiaotong University (20+ ppl.) 2013 – 2014
- Student Volunteer** - Graduate School Alumni Reunion; Performance in Geracomium 2013
- Main Organizer** - College Annual Performance Events (1,500+ ppl.) 2009 – 2011
- Leading Actress** - 'Footprints' (First movie filmed by students in my college) 2010
- Student Leader** - D-D Change Club (100+ ppl.) 2009

Technical Skills

Networking: Protocols->STP/RSTP, VLANs, FR, Ethernet, Metro-E, ARP, MPLS, RIP, OSPF, EIGRP, BGP, IP, IPv6, NAT, TCP, UDP, HTTP, SNMP, SMTP, TFTP, FTP, DHCP, DNS, IPSec VPN, 802.11a/b/g/n/af, 802.22. **Appliances**->Cisco Router(3600/3800), Cisco Switch(1800/2960/3500/3550), Cisco ASA5505, Juniper Router, Palo Alto Firewall. **Tools**->Wireshark, Packet Tracer, GNS3.

Programming: Languages->Java, Python, Ruby, C, Unix shell scripting, Matlab. **Website developing**->HTML(5), CSS(3), Javascript, jQuery, AJAX, Ruby on Rails, XML, JSON, REST, SOAP, Java EE, JSP, Servlet, JDBC, Tomcat, Apache. **Virtualization/Cloud**->XenServer, VMware vSphere, Cisco Nexus, Apache Cloud-Stack. **Others**->Unix/Linux, MySQL, MangoDB, Git, Eclipse, L^AT_EX.