**Leo Wang**

## Summary:

I'm a fastidious programmer who cares about not only the correctness but also the beauty of my code.

I'm a tenacious and open minded trouble-shooter. I always come out with solutions and closures. My colleagues are prone to turn to me when they have "weird" bugs.

I'm an efficient continuous learner. I embrace new techniques and methodologies. I'm versatile in various programming languages, different protocols and lots of platforms.

I'm a part-time trainer in Alcatel-Lucent University teaching Linux and Perl programming. I believe that teaching is the best way to mastery.

I'm a self-starter who founded the Toastmasters Club in our R&D community to help myself and my colleagues on public speaking and communication skills. We all have benefited from the philosophy of learn by doing in this club.

I'm confident about my crafts and willing to contribute to the team.

## Major Skills:

* Development in various areas and languages
  + C/C++, Java
  + HTML/CSS, JavaScript, PHP, XML
  + Python, Bash/Tcl, Perl
  + Ruby on Rails, Cucumber
* Development with various Database
  + MySQL
  + SQLite
  + Oracle
  + MS SQLServer
* Network
  + Ethernet, TCP/IP network setup/configure and troubleshooting
  + proficient usage of network troubleshooting tools like wireshark
  + WLAN WiFi AP/AC Network design, deployment and technical support
* Linux, UNIX OS and services setup, configuration and maintenance
  + sshd
  + httpd
  + named
  + dhcpd/bootp
  + samba etc.
* Telecommunication System testing and test automation
  + PSTN Signaling ISUP/IN
  + NGN Sigtran (SCTP, M3UA, M2PA)
  + RTP/RTCP, H.248
  + SIP, SIP firewall
* Working in Agile Scrum, familiar with various dev supporting system: SVN/GIT/Clearcase, Jira and Bugzilla etc.
* Virtualization (KVM/QEMU) and Cloud Computing (OpenStack) setup and maintenance

## Project Experiences:

**Alcatel-Lucent Wireless Group**

**Software Developer 09/2012 – present**

* + Engineering, Developing and maintaining GSM/GPRS packet switching product platform software with:
    - Linux OS and ATCA platform knowledge
    - Linux C/C++ programming and debugging skills
    - Bash/Perl programming skills
  + Lab server virtualization and migration to OpenStack

**A&E Smart Cloud Technologies Ltd.**

**R&D Technical manager   07/2011 – 09/2012**

* + - Virtualization and cloud computing solution research and marketing
    - WiFi AP/AC network design, deployment and technical support
    - Project and people management

**Alcatel-Lucent Plexus Platform Group**

**Software Developer 07/2006 – 08/2011**

* + Designed and developed Call Trace System software on urgent customer demand:
    - System architect and design
    - Linux/UNIX C/C++ network programming and debugging
    - Wireshark integration
  + Designed and developed Plexus Test Automation System:
    - Test automation System architect and design
    - Java, XML, shell/tcl programming and debugging
    - MySQL Database design
  + Designed and developed RTP/RTCP Test Emulator:
    - Network Element Emulation architect and design
    - Python programming and debugging
    - SIP, RTP/RTCP protocol manipulation
  + Developed SIPP enhancement feature:
    - C++ programming and debugging
    - SIP performance testing
  + Designed and developed Plexus testing tool Load-Syncor:
    - Development facilitation Tool architect, design and
    - Python, shell/tcl, JavaScript/AJAX programming and debugging
    - SQLite Database
  + Design test strategies, execute test plans and troubleshooting Plexus MGC/MG/SG/SFW software with:
    - Next Generation Network architect knowledges
    - Linux software testing and troubleshooting skills
    - VOIP, Network Security analysis and enhancement
  + Administrated Plexus development servers:
    - Linux, MySQL, Apache system configuration and administration
    - PHP, Python programming and debugging
  + Designed and developed R&D web survey tool:
    - Web application system architect and design
    - PHP programming and debugging
    - MySQL database
  + Designed and developed Plexus department English learning tool:
    - Interaction Web application system architect and design
    - PHP programming and debugging
    - SQLite database
    - LDAP query
  + Designed and developed various features for Plexus MGC/MG/SG/SFW System:
    - VOIP system architect
    - Network problem analysis, troubleshooting and technical support
    - Linux Network software C/C++ programming and debugging
    - Agile Scrum practice

**Alcatel-Lucent Software Support Center**

**Software Developer 07/2002 – 07/2006**

* + Developed CSMS (PHS Cell Site Management System) OA&M software with Delphi
  + Developed various features of PHS SMSC (Short Message Service Center) System:
    - System architect, design and development
    - C/C++,  Java, Perl programming and debugging
    - Oracle, SQLServer Database design
    - project management

**Alcatel-Lucent**

**Lucent Feature Test of 5ESS Group**

**Product Verification 07/2000 – 07/2002**

* + Terminal Maintenance system/feature testing:
    - test strategies design
    - test plan writing
    - test execution and software debugging

## Company community contributions:

* ALU certified FOSS (Free Open Source Software) Evaluator
* ALU University Part time trainer: Teaching Linux, Shell/Perl Script Programing
* Qingdao GSM R&D team OpenStack lab leader
* Team Leader of Alcatel-Lucent Qingdao R&D Efficient Team, developing, evaluating and integrating software developing tools, methodologies and procedures to improve R&D efficiency
* Board member of Alcatel-Lucent Qingdao R&D Innovation Team, researching, evaluating, inventing new technologies in Telecommunication Systems.

## Company awards:

* 2008 internal patent award on Automation Description with XML
* 2009 Golden Idea third place
* 2010 Golden Idea one second place one third place
* 2010 Bell-Labs China Bootcamp top 4 (proposal push CDN to eNode B)
* 2014&2015 ALU programing contest top 10
* various "Reach New High" & "Well-Done" awards

## Communication:

* R&D English activities coordinator
* Alcatel-Lucent Qingdao Toastmasters Club Founder/President

## Education:

* Bachelor degree: 09/1996~07/2000 Nanjing University of S&T, Major: Applied Physics
* Professional Certificates:
  + MCSE (Microsoft Certified System Engineer)
  + RHCE (Redhat Certified Engineer)