**Jason Wu**

10 Parkway Forest Dr. North York, ON M2J 1L3

Tel: (647) 918-9825 Email: wuxch2000@gmail.com

**Professional Summary**

* Over 10 years experience of software development, solid programming knowledge and skills especially for large scale and real-time software
* Extensive experience in software development processes defined by CMM
* Up to date telecom and Internet networks concepts and in-depth knowledge in practice
* Quick learner around new technology
* Strong communication skills in a team setting

**Skills**

C/C++ (10+ years), UNIX Shell, Lisp,

Linux, VxWorks,

GNU tools, SCM software (Subversion, ClearQuest, ClearCase),

CUnit, CppUnit,

UML, Object-Oriented Analysis (OOA), Object-Oriented Design (OOD).

**Knowledge**

* Real-time OS and embedded software development
* IP networks and protocols
* Linux system programming
* Telecom networks and technologies
* Next Generation Network (NGN), softswitch
* IP Multimedia Subsystem (IMS) of 3GPP
* SIP, H.323, H.248 (MGCP) and other related protocols
* Capability Maturity Model (CMM)
* Software Configuration Management (SCM)
* SQL database
* Project Management

**Experience**

**Senior Software Development Engineer Jul 2006 – Aug 2011**

NGN Network Software R&D Dep. ZTE Corporation, China

* Analysis SIP protocol for ZTE softswitch device, a core device of Next Generation Network (NGN) supporting over million users
* Designed the inner architecture for protocol module using UML language
* Implemented SIP protocol module (TU layer) using C language in VxWorks real-time OS
* Maintained SIP protocol module (TU layer). Fixed bugs which come from customers or test verification teams, using Subversion and Clear Quest
* Developed special module for system optimization analysis which promote performance
* Developed and maintained daily build and smoke test environments
* Conducted unit test for the protocol module using CUnit
* Promoted the development procedure with QA

**Senior Software Development Engineer Apr 2003 – Jul 2006**

Fixed Network Software R\&D Dep. ZTE Corporation, China

* System analysis and design for ZTE VoIP gateway, a device aimed to telecom market supporting to 7000 lines concurrently
* Analyzed user requirements and protocols
* Implemented OS interface module to provide IPC/Trace/Timer/Network functions for other modules
* Designed application module's architecture for a H.323 stack module
* Implemented H.323 application module of Gateway using C++ Language in Linux OS
* Maintained application module. Fixed bugs which come from customers or test verification teams, using ClearCase and ClearQuest
* Conducted unit test for stack module using CppUnit

**Software Development Engineer** **Apr 1999 – Apr 2003**

Network Division of ZTE Corporation, China

* Analysis system requirements for H.323 protocol module of ZTE VoIP gateway for enterprise market which supported 120 lines concurrently
* Carried out an implement for H.323 protocol module using C Language in Windows NT OS
* Performed everyday maintenance for the protocol module

**Patents**

* **Wu Xiaochun**,2004, A method which enable telecom device connect to Internet from LAN, China, CN02150998
* **Wu Xiaochun**, Wang M.,2004, A method and telephone device which supports video transfer, China, CN03112926
* Su D.J., Bao, **Wu Xiaochun**, 2005, A method using for SIP terminal detects the link status with SIP server, China, CN200510130752
* Zhang L., Li Y., **Wu Xiaochun**, 2005, A method which enable IP Intelligent terminal sends and receives SMS in NGN network, China, CN200510130753
* Su D.J., Lu J.W., **Wu Xiaochun**, 2006, A authenticate method which using for SIP terminal, China, CN200610000904
* Lu J.W., **Wu Xiaochun**, 2007, A System supports IP Video terminal, China, CN200610003175

**Education**

**Master of Science, Instrumentation Engineering Apr 1999**

Southeast University, Nanjing, China

Concentration: Instrumentation Engineering with Computer Control

**Bachelor of Science, Electrical Engineering Jul 1996**

Nanchang University, Nanchang, China

Concentration: Electrical Machine Analysis and Control