

EDUCATION

- Master of Science, Electrical Engineering** – December 2004
University of Maryland, Baltimore County, Baltimore, MD
- Master of Science, Materials Science and Engineering** – December 2002
Tsinghua University, Beijing, China
- Bachelor of Science, Materials Science and Engineering** – July 2000
Tsinghua University, Beijing, China

SKILLS

- *Languages:* C/C++, PHP, Java/J++/JavaScript, ASP, MatLab, Shell Script, Pascal, Fortran, XML
- *Operating Systems:* Windows 9x/2k/XP, Solaris (5years, x86/SPARC), Linux (7years), BSD, AIX, DOS
- *Software:* Microsoft Visual Studio, GNU GCC/G++, CVS, VI, Oracle, MS Office, SSH, SFTP, Latex
- *Other:* UNIX System/Network/Database/Network Services Administration, System Recovery

WORK EXPERIENCE

Research Programmer January 2003 – Present

- *National Study Center for Trauma and EMS, University of Maryland at Baltimore, Baltimore, MD*
Designed and implemented three different customized *Video Board Systems*, which are currently being used in the University of Maryland Medical Center. Developed C/C++ programs to control frame grabber hardware to get live JPEG images from video. Implemented image processing algorithms by using C/C++ to retrieve operating room status. Developed Visual Basic programs for user interactive portion. Developed patient Vital Signs Monitor software.

Part-time Instructor January 2001 – November 2002

- *China UNIX User Group, Beijing, China*
Lectured about UNIX systems, including Solaris, Linux, BSD, SCO, AIX, etc.

Lecture Topics	
UNIX introduction & UNIX fundamental commands	UNIX C/C++ Programming and Projects management
Linux system structure and RPM management	UNIX Shells and Shell Script Programming
Solaris system administration and system backup	Web Programming under UNIX Environment
UNIX File System & System Administration	X Window System and it's network applications
UNIX Terminal & Device Managements	Web Email System structure and implementation

Software Engineering / Core developer August 1999 – July 2000

- *Lenovo Group, Beijing, China*
The core developer of *Legend Happy Linux Ver1.0*. Kernel features refining and whole system integration. In charge of doing many C/C++, Shell Scripts codes developing and modifications.

Web Developer August 2000 – December 2000

- *China Association For International Exchange of Personnel, Beijing, China*
Database/Web Server designing and implementation. Web programming by using ASP, PHP, JSP and JavaScript / VBScript. Web Server Security. Email Server Web Client.

PUBLICATION (BOOKS)

- Linux OS and its Networking Applications**, [285 Pages, ISBN: 7-115-07695-2] April 1999
→ *PEOPLE'S POSTS & TELECOMMUNICATIONS PUBLISHING HOUSE, Beijing, China*
- Applications of X Window System**, [529 Pages, ISBN: 7-115-08645-1] October 2000
→ *PEOPLE'S POSTS & TELECOMMUNICATIONS PUBLISHING HOUSE, Beijing, China*