
EMPLOYMENT

Teaching Assistant	Portland State University	Fall 2011 – Present
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- Courses: C++ Programming Language; Data Structures; Software Engineering; Compiler Design

Software Engineer	Skypine Co., Ltd. – www.skypine.cn	Spring 2011 – Summer 2011
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- Managed a team of four engineers to ensure weekly targets achieved on time.
- Made company more marketable to potential clients by participating in porting Windows CE 6.0 for the new platform with a faster processor. Visual Studio, Platform Builder, C++
- Helped gain business by customizing the touch screen calibrator, which had been un-operational for eight months prior. C++, Win32 API, Windows CE, touch driver
- Worked with one college to solve EMI/EMC problem for radio tuner. RF, microwave

Software Engineer	Seuic Co., Ltd. – www.seuic.com	Spring 2007 – Fall 2009
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- Made the project plan; managed a team of three engineers to ensure weekly targets achieved. MS project
- Wrote software to assist manufacturing process; doubled the productivity of the assembly line. C++, WTL
- Created an innovational algorithm for FAL of MLC NAND flash; saved thousands of dollars for the company.
- Improved the software-based Hamming ECC encoder/decoder; reduced time from $O(n^2)$ to $O(n)$.
- Designed a storage strategy for the navigator product; reduced booting time from 90s to 45s. C++
- Implemented position data mixer with the input from GPS and gyro, and output in NEAM0183 format; solved the problem of navigation in the tunnels. C++
- Developed a driver and a demo application for an IC card operator, which was a key selling point to clients. C++, MFC, ClearCase
- Kept in touch with the antenna design partner to assure the quality of the antenna. RF, microwave

EDUCATION

Portland, OR	Portland State University	Fall 2011 – Present
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- M.S. in Computer Science. GPA: 3.91
- Coursework: Software Engineering; Operating Systems; Parallel Programming; Computer Architecture

Nanjing, Jiangsu, China	Southeast University	Fall 2000 – Winter 2007
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- M.S. in Electrical Engineering, April 2007. Top 10%
- B.S. in Electrical Engineering, June 2004. Top 10%
- Coursework: Programming and C Language; Data Structures and Algorithm; Electromagnetic Theory; Fields and Waves in Information Electric Technique

TECHNICAL EXPERIENCE

Projects

- **Binary Profiling Tool** (Fall 2012). Application profiling tool working with binary executable without recompilation and re-linking. C++, Linux, IPC, Dyninst, git
- **Parallel Sorting** (Spring 2012). Parallel sorting using share memory and message passing respectively. C/C++, multithreading, pthread, MPI
- **coDoc** (2012). Code and specification manager, maintains the relationship between the code and the specifications. C++, Java, Eclipse, JNI, poppler, Cario, XML
- **CrazyPuzzle** (Fall 2011). A math puzzle game for Android platform. Java, Scrum, Agile

Languages and Technologies

- C++; C; Java; Python; makefile; shell script; x86/ARM assembly; SQL; XML
- Visual Studio; Eclipse; git/svn; gcc; emacs/vim; ClearCase
- English; Chinese