LIU. Peng

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OBJECTIVE

To seek an opportunity to intensify the expertise in computer science in a well-known graduate program

EDUCATION BACKGROUND

- **Master of Engineering in Safety Technology and Engineering** July, 2003

  The National Key Laboratory of Fire Science, The University of Science and Technology of China, Hefei, China. GPA 83/100.

- **Bachelor of Engineering in Automatic Control** July, 2000

  Department of Automation, The University of Science and Technology of China. Hefei, China. GPA 81/100.

WORKING EXPERIENCES

Senior Software Engineer 2006 - Present

Motorola China, Beijing, China

- Lead a team of 4 people to develop the software-failure-handling component, used by all Motorola software development teams. The component collects debug information for variant types of software failures, such as Linux kernel panic and application crash on base-band processor, sends the information across the network and launches recovery procedure. My daily work includes making development plan, moderating code program and communicating with the project stakeholders.
- As a member of the architect work group, design the infrastructure for software debugging in Motorola-Android software platform and train developers to use software debug tools.
- Offer two-month on-site support to development teams in Illinois, US every year.
- Previous project experience: as head of 5-member team to develop a software integration tool, an Eclipse-based application, for Motorola iDEN product line which was used in daily work of over 400 developers worldwide.

Software Engineer 2004 - 2006

Pollex Mobile Software Co. (Also known as Mobile Product Unit of Hopen Software Engineering Co. before 2005), Beijing, China

- As a key contributor, developed interrupt handling subsystem and block device subsystem of Hopen Operating System 3.0, which was certificated as one of best innovative products by Beijing Municipal Science and Technology Committee.

- Deployed Hopen Operating System in different machines. Major work included extending the platform-dependent layer of Hopen OS to support IBM PowerPC 405 core as well as Intel XScale Wireless MMX technology, and developing device drivers such as the LCD controller and the USB controller of more than 5 mobile products of Lenovo, NEC and Haier.
- Tried out multiple new and emerging software frameworks for mobile products, such as Qtopia and OpenMoko, and submitted evaluation reports to management team.

Research Assistant 2001 - 2003

State Key Lab of Fire Science, USTC, Hefei, China

- Participated in the project to build a smart building monitor system with high performance embedded MPU and open source software, built the development environment with GNU tools and ported an open source OS loader to the specific MPU.
- Involved in the project to construct a ceramics manufacture control system, designed and implemented a CAN field bus interface circuit board and its software driver in Windows OS.

HONORS AND AWARDS

- Outstanding New Employee Award from Hopen Software Engineering Co. 2004
- Outstanding Student Scholarships from USTC 1995 and1996

PUBLICATIONS

- Liu, Peng. Zhang, Peiren. “Multimedia Information Acquisition System Based on 32 bits MCU.” *Microcomputer and Its Application*, 23, (2004): 35-36
- Liu, Peng. Zhang, Peiren. “Developing WDM Device driver with DDK.” *Journal of Computer Applications*, 23, (2003): 248-250.
- Shi, Jiu-Gen. Liu, Peng. Zhang, Peiren. “Study On the Real-time Performance of CAN Data Transfer and Its Application.” *Information and Control*, 33, (2004): 342-346.
- Sun, Zhanhui. Zhang, Peiren. Liu, Peng. “Application of CAN in Fieldbus Control System.” *Microcomputer Information*, 18, (2002): 7-8.

COMPUTER SKILLS

- Six years with C and C++
- One year with JAVA
- Six months of Perl
- Two years with ARM assembler
- Digital circuit design
- Mainstream SCM tools such as clearcase, git and svn.
- Project plan and control