

Li Zhaozhong

Resume

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Educational Background

- 2013 - 2016 Master Degree, Lanzhou University, School of Information Science and Engineering, Computer Technology.
- 2009 - 2013 Bachelor Degree, University of Electronic Science and Technology of China, School of Information and Software, Software Engineering.
3.49/4

Community

- Blog <http://www.lizhaozhong.info>, Technology Blog.
- GitHub <http://github.com/lzz5235>.
- Git page <http://lzz5235.github.io/>.

Project

- 2014.8 - present Linux RAS Module Development for multi-bits error in memory, Memory Machine Check Exception.
As a core member of the project, Linux RAS Module Development intends to avoid multi-bits error in memory through signal mechanism instead of panic or killing the tasks, I analyze the MCA subsystem and modify the workflow of Machine Check Exception to notify the target processes/kernel threads. For the processes, elaborating the PALLOC+LXC+CRIU Environment to avoid faults propagation and isolation. In addition, we use memory test offline to test Bad-Page. The project's goal intends to accomplish RAS (Reliability, Availability and Serviceability) of the server.
- 2013.12-2014.6 JOS, C/Assemble Qemu, Personal Project, <https://github.com/lzz5235/JOS-kernel>.
JOS: will have Unix-like functions (e.g., fork, exec), but is implemented in an ex-kernel style (i.e., the Unix functions are implemented mostly as user-level library instead of built-in to the kernel). The major parts of the JOS operating system are Booting/Memory management/User-level environments/Preemptive multitasking/File system/shell.

- 2013.11 - ChatOnline, Qt C++, Personal Project, <https://github.com/lzz5235/ChatOnline>.
2014.1 This project applies to communicate with others online in my Laboratory. Since there is no any cross-platform software, the project is based on qt framework and designed as C/S.
- 2013.9 - Wechat platform Development, Java, Personal Project, Code:lifestyle_day.
2014.1 Users could input specific information to query what they want, and then lifestyle_day would response users requirements. I use Java and Tomcat to set up server and parse the xml. The data resource is from Baidu API.
- 2012.1-12 Distribute storage service, epoll C++ Linux, Innovation Project, Server Development.
I use epoll, non-blocking and thread poll to response much more users' operation. Relative copies are included in the server; for example, the file stored on the different servers could avoid specific server broken down.
- 2012.3-6 Myparted for hard disk partition, Qt C++, Class project.
I design interface of disk partition with qt. The real operation on hard disk is libparted library. The function of this software includes creating new partition and deleting partition etc.
- 2011.3-9 Private scheduler manager, Qt C++, Sqlite.
Private scheduler manager is a tool to manage our life based on qt framework, the data of software is stored in sqlite. In addition, it could communicate with mobile phone via Bluetooth. Users could use mobile application to manage our scheduler and upload the server.
- 2011.7-8 Gluttonous on ARM, ARM7 C, Intern in Neusoft.
I developed the program on LPC2000 development board without any OS. The company provides with drivers of LPC2000 so we can design UI/Gluttonous on the board with c.

Language

- English CET-6, proficient in English reading and writing. Especially in communicate with kernel maintainer with email
- Chinese Native language

Computer Skill

- Language C/C++ design pattern > Shell > Python > Java
- Architecture X86
- Kernel MCE, Signal, Kthread, Physical Memory-Management, Interruption, VFS, CFS, Kernel Driver Development
- Mechanisms
- Toolchain gcc, gdb, cscope, ctags, make, strace, Kdump Toolchain, LXC, Docker
- Framework Qt, MFC
- Tools Linux(Fedora, CentOS, Debian), Vim, Git, \LaTeX , Markdown, Apache
- Database MySQL, SQLite, Sybase

Webpage WordPress,Jekyll,XOOPS
Template
Other Tools Words, Excel, Powerpoint, Dia, Visio

Award

2015.6 Netease MOOC-The Certificate of Software testing
2015.3 Netease MOOC-The Certificate of Python program training
2014.12 MIIT SKILLS certification-Advanced Linux kernel Engineer
2014 - 2015 The Academic Scholarship in Lanzhou University
2014.5 The Certificate of senior developer of Sina App Engine
2013 - 2014 The Academic Scholarship in Lanzhou University
2012 - 2013 The Third Prize Scholarship in UESTC
2012.2 The Certificate of Accomplishment immersion programme organised by
NGEE ANN POLYTECHNIC
2011 - 2012 The Advanced administrator certificate of AIX Big machine
2011.7-8 The Certificate of Accomplishment Training at Neusoft Inc.

School Experience

2014-2015 Training multi-branch using of git.
My role of project is CM(Configuration Manager),including elaborating webgit,git
data and Training the workflow of Kernel Development
2013-2014 DSLab website management.
Data migration
2013-2014 Lanzhou Google Development Group Volunteer.
I am responsible for community register<http://lanzhougdg.sinaapp.com>
2013 - 2014 The speaker of OSS of Lanzhou university.
I communicate with undergraduates of Lanzhou university
2015.6- The volunteer of elinux.org Translation Project.
2015.7 eLinux.org is to preserve and present information about the development and
use of Linux in embedded systems as well as open source projects and tools for
general embedded development. I am responsible for Security Chapter transla-
tion. <https://github.com/lzz5235/elinux>
2015.8 - Linux Documentation Translation plan.
present This project is to translate Linux Documentation into chinese version. Now I am
responsible for cgroups translation. <https://github.com/lzz5235/linux-doc>