

Russell E. Harmon

| | | |
|--------------------------------------|---|---|
| CONTACT INFORMATION | Rochester Institute of Technology PO Box 92423 Rochester, NY 14692 | (585) 210-3330 http://rus.har.mn russ@eatnumber1.com |
| SUMMARY | I love to tinker. I enjoy spending my time working on personal projects. Some of the notable projects I have worked on include the Linux kernel and the Gentoo and Debian Linux distributions. I have become very good at picking up new ideas quickly, and expanding what I already know with a direction and my own research. | |
| EDUCATION | Rochester Institute of Technology - Rochester, NY • Major: B.S./M.S. Computer Science • M.S. GPA: 3.0 • Minor: Music, Concentration: Computer Engineering • Course work completed, thesis ongoing. Expected completion, November 2013 | September 2006 - Present |
| EXPERIENCE | Google - Mountain View, CA Chrome OS Kernel Engineering Intern | 6/5/2012 - 8/2012 http://google.com/ |
| | Worked on the Kernel team for the Chromebook. My work centered around the creation of a unit test which analyzes the kernel-to-kernel latency of input events, and the associated frameworks to make this test possible. This work involved adding trace events into the Linux kernel, X input drivers, and the Chromium browser; then building tools to analyze traces generated by these events. | |
| | Microsoft - Boston, MA Software Development Engineering Intern | 6/6/2011 - 8/26/2011 http://micorosft.com/ |
| | Worked on the "Sustained Engineering" team on the Application Virtualization product. The sustained engineering team maintains the released version of App-V. Written in <i>C++</i> , I worked on a migration feature for the App-V and Office products. | |
| | Apple Inc - Cupertino, CA Engineering Intern | 6/1/2010 - 11/16/2010 http://apple.com/ |
| | Worked on the "Platform Kernel" team in the Core OS department at Apple. The majority of my work entailed work on <i>libC</i> , and on <i>XNU</i> (the Mac OS X kernel). My two major projects were (a) migrating code out of the kernel into userspace to take advantage of <i>ASLR</i> and (b) creation of an automated testing suite to test Mac OS X's power management on Intel processors. The <i>ASLR</i> work involved a great deal of collaboration between several different teams within Apple. | |
| | SafeNet Inc - Belcamp, MD Engineering Intern | June 2008 - June 2010 http://www.safenet-inc.com/ |
| | Worked on the SafeNet Management Console (SMC) on a team of 7. SMC is a web application built on <i>Java</i> , <i>JBoss</i> , <i>Hibernate</i> and <i>JSF</i> which manages high speed network encryption devices that SafeNet manufactures, including top-secret devices. Responsibilities included (a) creating requirements documents, (b) implementing requirements (IPv6, file synchronization), (c) testing and (d) fixing defects. Some of the specific tasks that were assigned while working there included transparent file synchronization between machines, implementing IPv6 support and implementing support for multiple SMC servers managing the same device (distributed devices). | |
| TECHNICAL SKILLS & CERTIFICATIONS | Fluent Languages (a) C (b) Java (c) ZSH (d) C++ (e) Javascript (f) Python Operating Systems (a) Linux [programming & administration] (b) Mac OS X (c) Windows Server Administration (a) LDAP (b) Kerberos (c) BIND (d) DHCPD (e) Radvd (f) Apache Networking (a) Cisco Academy, with honors (terms 1 and 2) (b) IPv6 (c) DNS (d) DHCP (e) IPSec Tools (a) Make (b) Autotools (c) CMake (d) LLVM (e) Regex (f) \LaTeX | |
| SPECIAL ACCOMPLISHMENTS | Joined CSH (Computer Science House). While there, I was elected by my peers first as a network administrator, then as the director of all the network administrators. http://www.csh.rit.edu/ At age 8, built my first computer. At age 10, worked my first job at City Island Computer Services. At age 12, attended my first programming class at Lehman College. | |