Russell E. Harmon

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OBJECTIVE

I am looking for a three month internship to begin June.

SUMMARY

I am a person who loves to tinker. I spend the majority of my free time working on personal projects. Some of the projects I have independently worked on include the Linux kernel and the Gentoo Linux distribution. As a result, I've found that I have become very good at picking up new ideas quickly, and expanding what I already know with little more than the internet and a direction.

EDUCATION

Rochester Institute of Technology - Rochester, NY   September 2006 - Present
- Major: B.S./M.S. Computer Science
- M.S. GPA: 3.0
- Minor: Music
- Expected graduation: December 2012

EXPERIENCE

Apple Inc - Cupertino, CA   6/1/2010 - 11/16/2010
Engineering Intern   http://www.apple.com/

Worked on the "Platform Kernel" team in the Core OS department at Apple. The majority of my work entailed work on *libC*, and on *XNU* (the Mac OS X kernel). My two major projects were (a) migrating code out of the kernel into userspace to take advantage of *ASLR* and (b) creation of an automated testing suite to test Mac OS X's power management on Intel processors. The *ASLR* work involved a great deal of collaboration between several different teams within Apple.

Gentoo Linux - Gentoo Foundation   August 2007 - August 2010
Package Maintainer   http://www.gentoo.org/

Maintainer of several ebuilds. An ebuild is a bash script which fetches, unpacks, compiles and installs a piece of software.

SafeNet Inc - Belcamp, MD   June 2008 - June 2010
Engineering Intern   http://www.safenet-inc.com/

Worked on the SafeNet Management Console (SMC) on a team of 7. SMC is a web application built on *Java*, *JBoss*, *Hibernate* and *JSF* 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) BASH
Operating Systems (a) Linux [programming & administration] (b) Mac OS X [kernel programming]
Server Administration (a) LDAP (b) Kerberos (c) BIND (d) DHCPD (e) MediaWiki (f) Apache
Networking (a) TCP/UDP (b) IPv4, IPv6 (c) DNS (d) DHCP (e) IPSec (f) SSL (g) X.509
Tools (a) Make (b) Autotools (c) CMake (d) LLVM (e) Regex (f) LaTeX
Certifications (a) Cisco Academy, with honors (terms 1 and 2) (b) A+

EXTRACURRICULAR CLUBS & ACTIVITIES

CSH (Computer Science House) - Network Administrator   http://www.csh.rit.edu/
US FIRST Robotics Team 1230 - Lead programmer   http://www.usfirst.org/
Rocking the Boat - Built a boat for children from the South Bronx   http://www.rockingtheboat.org/

HONORS & AWARDS

NYC Regional Robotics Award winner - 27th place nationally
Visual Basic programming award for academic excellence 2005

SPECIAL ACCOMPLISHMENTS

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.