

## Objective

To work in a position where I can use my software development skills and Linux experience to solve interesting problems as well as develop new skills.

## Experience

### **Red Hat, Inc.**

**November 2004—Present**

#### **Raleigh, North Carolina**

Associate software engineer within Red Hat engineering in the Westford, MA office. Responsibilities include:

- Development work on the distribution installer and several system configuration utilities.
- Development work on pykickstart, a software package for specifying automatic installation parameters.
- Working with upstream and community developers to produce and integrate patches and maintain software packages.
- Handling customer bug reports and feature requests for several concurrent releases via Bugzilla.

### **Emperor Linux, Inc.**

**November 2003—November 2004**

#### **Atlanta, Georgia**

Research and Development team leader for a value-added reseller, focusing entirely on preinstalled and configured laptops running a variety of Linux distributions. Responsibilities included:

- Handling installations of customer machines, decreasing install time, improving the shell-based installer, and developing an automated testing system.
- Researching new product lines to ensure Linux compatibility.
- Maintaining the 2.4 and 2.6 kernel packages and extending the macro-based configuration management system.
- Creating and maintaining installation images for Red Hat, Fedora, Debian, Mandrake, and Slackware with User Mode Linux.

### **Center for Experimental Research in Computer Systems, Georgia Institute of Technology**

**June 2002—May 2003**

Student researcher investigating sensor networks, acquiring data from multiple devices and inferring conclusions from their combined data. Responsibilities included:

- Working with motion sensors, cameras, and computer login watchers.
- Investigating hardware-level protocols on Versus Tech infrared sensors.
- Integrating HP's Badge4 and iPaq embedded Linux platforms into the sensor network.
- Developing query, response, and registry protocols using XML and XPath.

### **Berkeley Software Design, Inc. (BSDi)**

**January 2000—April 2001**

#### **Colorado Springs, Colorado**

Core developer on Slackware Linux as part of BSDi's Open Source Division in the Concord, CA office. Responsibilities included:

- Porting Slackware Linux to the Alpha architecture.
- Co-authoring *Slackware Linux Essentials* (ISBN 1571762752).
- Assisting with software packaging and testing, system administration, technical support, and website development.
- Representing Slackware Linux at national industry trade shows such as Comdex, LinuxWorld Expo, and the Atlanta Linux Showcase.

## Education

### **Georgia Institute of Technology**

**August 2003**

#### **Atlanta, Georgia**

- Bachelor of Science in Computer Science.
- Specialized in operating systems and languages.
- Co-developed an optimizing compiler for the Tiger programming language, targeting the MIPS and Alpha architectures.

- Development: GNU tools (gcc, make, binutils); Oracle and MySQL; JDBC; various source control tools; m4.
- Languages: C; Java; Perl; Python; Standard ML/NJ; UNIX shell scripting; document creation using  $\LaTeX$  and SGML.
- Web: Apache; HTML; PHP; XML; XPath.
- Administration: Apache; DHCP; DNS; NFS; NIS; Sendmail; OpenSSH.

## **References**

Available upon request.