

Warren A. Layton

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Languages Spoken and Written:
English and French

Security Clearance: Enhanced

Career Objective

Challenging employment in the field of Linux kernel development contributing my initiative, resourcefulness and analytical abilities to the delivery of quality products and services.

Summary of Skills

Linux Specific Skills:

- Contributor to the Kernel Janitors project
- Experienced with various distributions, notably Debian, Redhat, Mandrake and SuSE
- Skilled with IPSec and NSA SE Linux deployment in networked environments

Application Programming Skills:

- Excellent C programming skills
- Excellent Object-Oriented Design with C++, Java, UML and UCM
- Skilled with the Eclipse integrated development environment
- Competent with Perl, Python, Scheme, VHDL and Verilog

Education

Bachelor of Applied Science, Computer Engineering **1999-2003**
University of Ottawa
Graduated with Honours (Cum Laude)

Academic Accomplishments

Fourth Year Thesis – Designing an Encrypted Filesystem

- Implemented AES and CAST encryption ciphers in the C language within the Linux kernel using the CryptoAPI framework
- Researched and implemented new techniques for hard disk encryption using the Linux loopback device
- Successfully presented and defended a written report of the project before members of the engineering faculty

Work Experience

Canadian Pharmacists Association

September 2003 - Present

Technical Writer

- Transitioned technical documentation from a proprietary format to an open, extensible format using SGML, XML and an in-house DTD
- Document collaboration and editing using Abortext EPIC

University of Ottawa

May 2001 - August 2002

Web Application Developer

- Developed an online scholarship application tool for students using PHP, Java Servlets, Java Server Pages, IBM WebSphere and IBM DB2
- General web site maintenance

Canadian Film and Television Production Association

May 2000 - August 2000

Web Site Administrator

- Redesigned and maintained the association's web site
- Created a contact database to be used for membership mailings
- General computer-related troubleshooting

Central Computer Books

April 1999 - September 1999

Clerk

- Maintained inventory and organized displays of store merchandise.
- Provided information and assistance to customers

Volunteer Work and Projects

Debian GNU/Linux Operating System

May 2000 – Present

- Actively maintaining 6 Debian packages, including the bootloader for the PowerPC architecture
- Debugged and enhanced software distributed with Debian GNU/Linux distribution
- Performed testing on multiple architectures, including x86, PowerPC and ARM

Ottawa Canada Linux Users Group

October 1997 – Present

- Appointed to the Board of Directors from October 2003 to April 2004
- Tutorial Leader and Keysigning Coordinator
- Business of Open Source Software Conference 2002 Volunteer