

# Warren A. Layton

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*Languages Spoken and Written:*  
English and French

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## **Career Objective**

Challenging employment in the field of Linux software 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 and PHP 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 2001 Volunteer