

## Professional Experience

---

### LCX Software, Inc.

April 2002 to Present

#### *Independent Contractor*

- Wrote applications in C for loading product information into customer circuit boards.
- Wrote test routines for customer products according to detailed specifications.

### College of Computer Science, Northeastern University

January 2000 to December 2001

#### *Web Developer*

- Led initial development phase of new website for the College of Computer Science (yet to be deployed), using Zope, Apache, Perl, and XML.
- Ran several in-depth user-training sessions for the faculty and staff.

#### *Systems Group Co-op Employee*

- Administered the College's computing environment, a heterogeneous network consisting of approximately 300 hosts running Solaris, Tru64 Unix, and Windows NT.
- Wrote several tools in Java and Perl to automate system administration tasks.
- Migrated critical network services including the NIS master server, DHCP server, and the user account management system from obsolete hardware to a Sun E450.
- Served as primary DNS administrator for the College's Internet domain.
- Directed the first major reorganization of the College's data center in over five years.

### Tektronix, Inc.

Summer 1998, Summer 1999

#### *College Intern*

- Designed and wrote a multithreaded Win32 application for remote operation of the company's flagship fiber-optic transmission tester using Visual C++ and LabWindows CVI.
- As part of the technical marketing group, acted as a liaison between the engineering department and major customers such as Lucent Technologies and Nortel Networks.
- Duplicated and diagnosed customer problems by building test environments.
- Designed and wrote software to demonstrate Dense Wave Division Multiplexing at the SuperComm 1998 telecommunications trade show.

## Technical Expertise

---

**Languages:** Python, Java, C/C++ (GCC, MFC, MSVC++), Perl, Bourne shell scripting

**Systems:** Extensive programming and system administration experience on Unix/Linux (Solaris 2.6/2.8, Redhat, Slackware, Debian) and Win32 platforms. Experience with DNS servers, (BIND named), Web servers (Apache, Zope), NIS and NFS.

**Networking:** Detailed knowledge of TCP/IP protocol suite, HTTP, DNS, and DHCP protocols.

## Education

---

### Northeastern University, College of Computer Science

September 1998 to June 2002

*BS in Computer Science and Mathematics (3.96/4.0)*

Honors: College of Computer Science Outstanding Research Award

## Refereed Publications

---

### Environmental Acquisition in System and Network Management

To appear in: *Proceedings of the Sixteenth Systems Administration Conference (LISA XVI), November 3-8, 2002, Philadelphia, PA* (Co-authors: Matthias Felleisen, David Blank-Edelman)