# Michael L Torrie

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**Education**

B.S. Degree, **Computer Science**, Brigham Young University

- Graduated August 2001
- Took courses in compiler theory, computer networking, graphics, enterprise systems using Java, and computer language theory.

**Experience**

**Assistant Computing Support Representative**, BYU Chem Dept May 2002 - Present

- Maintained and installed Linux and Solaris servers with Fiber Channel 15 TB array
- Administered OpenLDAP, Kerberos, and Samba for Linux, Windows, and Mac clients.  Mac clients see OpenLDAP as if it were OpenDirectory.
- Managed Solaris server with ZFS and customized version of Samba 3.
- Implemented e-mail server virus scanning to prevent Microsoft virus infestations.
- Deployed FreeRadius for VPN and wireless 802.1x WPA2 authentication.

**System Administrator**, BYU CS Dept Jan 2000 – May 2002

- Managed NFS, mail, LDAP, Kerberos, web, FTP, PostgreSQL, and DNS servers running Linux, as well as Linux and Windows Workstations.
- Unified Windows 2000 and Linux logins and file systems using LDAP and Samba for open labs machines, serving everything from Linux servers.
- Developed remote administration scripts for Linux and Windows.

**Teaching Assistant**, CS 143, Kelly Flannigan, BYU Sept 1998 - Dec 1999

- Assisted students in the lab with assembly language and digital logic design
- Passed off student lab assignments and taught help sessions

**Family Farm Work** 1986 - 1995

- Gained good work ethic and moral values
- Learned management skills and self-motivation

**Skills**

**Computer Programming**

- Experienced in C, C++, Python, PHP, SQL, Perl, Bash.
- Developed web applications using HTML, Python, Django, SQL, PHP, Smarty
- Developed LDAP proxy server in C, learning BER encoding and how to parse the raw LDAP wire protocol.
- Rudimentary XML parsing with the LibXML2 library
- Programmed small GUI applications for Linux using GTK+/Gnome.

**Mechanical**

- Knowledgeable in metal working, wood working, electrical and plumbing, fabrication
- Understand automotive mechanics and principles

**Strengths**

- Hard worker, reliable, ethical, quick learner, self motivated, leadership abilities, well-rounded skills and interests.

**Achievements/ Activities**

- Received Chief Scout Award, Canadian equivalent of Eagle Scout
- Enjoy hiking, mountain biking, programming, steel and wood work, reading, working with my hands, and flying model airplanes.