

# Michael R. Richichi

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**Objective:** A leadership position in a dynamic organization that utilizes my systems and network administration skills, my ability to manage people and projects, and my ability to think critically and creatively, and to find inventive and effective solutions to problems.

## Skills:

- 11 years as lead technical manager of network and systems operations at a Tier 2 small liberal arts college, with responsibilities of hiring, training, and evaluating full-time staff; hiring, training, and managing student employees, and campus-wide technology planning in a team with my supervisors, including long-term departmental plans, budgeting, and advocacy.
- 4 years leading a 16 person IT department, including above responsibilities.
- 15 years of multiplatform Unix, Linux, NetWare, Windows Server, and OpenVMS systems administration experience, with practical emphases on heterogeneous integration, and performance tuning and capacity planning. Proficient in scripting languages such as Perl, PHP, Python, sh, csh, and DCL. Experience with C and C++.
- 14 years of advanced LAN design and administration, including NOS selection and deployment, network infrastructure design, implementation and metrics, protocol planning, routing, and configuration. Significant experience with enterprise directory services, managing large, distributed trees in a multiplatform environment. Strongly experienced in using LDAP and enterprise identity management as a centralized data store for cross-platform administration and development.
- Experience in Internet and network security, intrusion detection, and network analysis using open source and commercial tools.
- Sophisticated knowledge of PC desktop configurations, with an emphasis on Win32 platforms and Linux. Experienced with imaging and configuration of hardware as well as desktop management software.
- 10 years of web server administration, including installation, configuration and tuning of Apache servers on Linux and Unix, configuration and management of PHP, Python, and Perl for Web scripting, and utilization of cross-platform tools to enable NetWare user space to be served by Linux web servers. Extensive knowledge of Apache installation and tuning, and cross-platform Web authentication.
- Experience creating a system to automatically manage online space for all courses taught in a term, with Web space, mailing lists, file sharing, and collaborative services, managed dynamically and provided to users via secure network identities
- Ability to communicate ideas to colleagues and national conferences, and to teach networking concepts to non-technical and non-professional audiences.

## Positions Held:

### Drew University, Director of Computing and Network Services May, 2003 to Present

- Supervise 16 person department responsible for systems and network administration, telecommunications, enterprise applications, user support.
- Chief technical manager for overseeing all management aspects of a 5500-node local area. Physical backbone is gigabit and fast Ethernet, with shared 10Mbps or shared 10/100Mbps to desktops. Network infrastructure consists of Cisco Catalyst and HP ProCurve switches, HP Proliant servers running Open Enterprise Server, SUSE Linux, and Windows Server. Services provided include Internet access, electronic mail servers, centralized enterprise file and print services, eDirectory/LDAP authentication and directory services, integrated identity management, Internet videoconferencing, Web servers, mailing list servers, library card catalog, course management systems, and custom intranet applications (online helpdesk, portal services).
- Oversee help desk and customer support operations for all students, faculty and staff.
- Manage staff responsible for deployment and operation of the Computer Initiative, a ubiquitous computing program in operation since 1984, providing laptops to college and theological school students.
- Provide computing support to other technology departments on campus: Instructional Technology Services and Administrative Computing.
- Responsibilities for budgeting, strategic planning, and departmental advocacy on campus.
- Representative to the University Technology Committee and the University Library Committee.

**Drew University, Assistant Director of Academic Technology  
September, 1996 to May, 2003**

- Chief technical manager for networking operations.
- Designed Academic Technology Tools for Instructional Computing (ATTIC), a set of services configured automatically from registration data, providing course folders for each course section, NDS groups for each course, Web space, mailing lists, and online learning opportunities.
- Provided technical expertise to University departments, consulting with them on their technology needs, and providing solutions within our budget and technical guidelines.
- Worked closely with Director of Academic Technology and Assistant Vice President of University Technology on strategic planning, university-wide computing policy, grant applications, and budgeting, and assumed the Director's responsibilities in his absence.

**Drew University, Systems Manager, Academic Technology  
February, 1993 to September, 1996**

- System and network administration responsibilities for academic departments as above
- Migrated campus network from DEC Pathworks 4.1 to Novell NetWare 4.1
- Migrated Ultrix 4.4 systems to Digital UNIX 3.2
- Began standards-based development of campus-wide local area network.
- Extensive experience wiring Thinwire, AUI, 10Base-FL, and Category 5 10Base-T Ethernet.
- Built pilot local-area network with Digital and 3Com networking equipment.
- Technical leadership on networking issues on campus created opportunity for promotion to Assistant Director.

**Colorado State University, Department of Physics, Graduate Teaching/Research Assistant  
September, 1991 to January, 1993**

- Provided research support for newly-formed High Energy Physics group. Installed and configured HP-UX, NeXT, and Macintosh Quadra systems on the departmental local-area network. Worked with high-energy physics applications in FORTRAN on HP-UX, VAX, and IBM VM/ESA systems.
- Taught elementary-level physics labs, an intermediate-level electronics lab, and tutoring sessions.

**Education:**

- Bachelor of Arts in Physics, Drew University.
- Graduate work in Physics, Colorado State University.
- Additional computer science course work at Drew University.
- Graduate courses in computer science at New Jersey Institute of Technology.

**Publications:**

- "How to use Perl, Python, and PHP to access eDirectory 8.7 via LDAP", *Novell AppNotes*, May, 2003
- "ATTIC: A Case Study in Directory Enabled Course Management," *ACM SIGUCCS 2001 Fall User Services Conference Proceedings*
- "Supporting Ubiquitous Computing Through Directory Enabled Technologies," *ACM SIGUCCS 2001 Fall User Services Conference Proceedings*
- "How to use Perl, Python and PHP to access eDirectory 8.5 via LDAP", *Novell AppNotes*, August, 2001.

**Conferences, professional societies and other professional work:**

- Frye Institute Fellow, June 2006
- Program Committee, EDUCAUSE 2007 Mid-Atlantic Regional Conference.
- Attended Educause Mid-Atlantic Conference in 2002, Seminars on Academic Computing and New Directors Workshop in 2003.
- Participating representative, EDUCAUSE, 1999-present.
- Board member of \$GROUPNAME, the New Jersey Unix sysadmin user group (<http://www.groupname.org/>)
- Faculty member of the New Jersey Governor's School in the Sciences at Drew University, 1998-2002, teaching a course on "Computer Networking and the Internet" and discussion seminars.
- Novell DeveloperNet volunteer sysop, March, 2001-2005.
- Novell beta tester 2000-present.
- Member of Novell's Technology Transfer Partners since 1996. Member of TTP Advisory Board 2001-2003, 2005-2007.
- University representative for USENIX Association since October, 1995. Attended LISA X and XI conferences in 1996 and 1997. Attended the Advanced Topics Workshop in 1997.

## Presentations:

- “Identity Management in Higher Education” (with Axel Larsson), Novell BrainShare, March 18-23, 2007, Salt Lake City, UT.
- “IDM In Education: It’s About Applications” (with Axel Larsson), Novell TTP EMEA, January 26, 2007, Amsterdam, The Netherlands.
- “Drew’s Technology Infrastructure”, Novell TTP EMEA, January 24, 2007, Amsterdam, The Netherlands.
- “Making Novell Strategic by Presenting the Value to Management”, Novell TTP EMEA, January 24, 2007, Amsterdam, The Netherlands.
- Virtualization roundtable, EDUCAUSE Mid-Atlantic Regional Conference, January 18, 2007, Baltimore, MD, USA.
- “Using Perl and PHP with Open Enterprise Server”, BrainShare Update, May 24-26, 2005, Bracknell, Berkshire, UK.
- “eDirectory Security with LDAP”, BrainShare Update, May 24-26, 2005, Bracknell, Berkshire, UK.
- Directory Services Futures”, BrainShare Update, May 24-26, 2005, Bracknell, Berkshire, UK.
- “Managing IT Employees for Happiness and Productivity”, BrainShare Update, May 24-26, 2005, Bracknell, Berkshire, UK.
- “eDirectory Security with LDAP: Access Control and Configuration”, Novell BrainShare 2005, March 20-25, Salt Lake City, UT.
- “CI@20: The First Two Decades of Ubiquitous Computing at Drew University”, EDUCAUSE 2004, Denver, CO, October 19, 2004.
- “Using Perl and PHP to Access Novell eDirectory via LDAP”, Novell BrainShare 2004, March 21-26, Salt Lake City, UT.
- “Using ACLs in LDAP: Creating a Secure eDirectory Infrastructure”, Novell BrainShare 2004, March 21-26, Salt Lake City, UT.
- “Case Study: Enabling Ubiquitous Computing at Drew University with Novell Technology”, Novell BrainShare 2004, March 21-26, Salt Lake City, UT.
- “NAL And ZEN: Drew’s History of Computer and Application Management”, 2003 Novell Technology Transfer Partners Conference, Salt Lake City, UT.
- “Causeway—The Drew Cluster Project” (with Paul Coen), 2002 Novell Technology Transfer Partners Conference, Boston, MA.
- “Using ACLs in LDAP: Creating a Secure eDirectory Infrastructure,” Novell BrainShare 2002, March 19 and 21, 2002, Salt Lake City, UT.
- “ATTIC: A Case Study in Directory Enabled Course Management,” poster session, 2001 ACM SIGUCCS Fall User Services Conference, Portland, OR.
- “Supporting Ubiquitous Computing Through Directory Enabled Technologies,” 2001 ACM SIGUCCS Fall User Services Conference, Portland, OR.
- “The evolution of ATTIC and providing network services for ubiquitous computing”, 2000 Novell Technology Transfer Partners Conference, Dallas, TX.
- “ATTIC: Space for Courses, and Useful Web Services”, 1999 Novell Technology Transfer Partners Conference, Salt Lake City, UT.
- “Adventures in the Novell Application Launcher”, Novell Technology Transfer Partners Conference, Washington, DC, July 1997.
- “An NDS module for Perl,” Works-In-Progress, LISA X Conference, Chicago, IL, 1996

## University service:

- Academic Computing Advisory Committee, 2005-present.
- Presidential ad hoc committee on healthcare costs, 2005-2006.
- Presidential Search Committee, 2004-2005.
- University Library Committee, 2002-present.
- University Technology Committee 2002-2004.
- University Staff/Administration (US/A) Member at Large 2001-2004, Nominating Committee 2004-2006.
- University Senate, 1999-2001.
- University Web Committee, 1998-2005.

**Personal interests:** Natural foods, bicycling, home repair, music, cooking, comedy

**References:** Available upon request.