

Donald Sizemore, II

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Experience:

H. W. Odum Institute for Research in Social Science (June 2015 – present)

Systems Programmer / Analyst

- Support the Institute's Digital Preservation and Virtual Research Infrastructure initiatives
- Implement, upgrade and maintain the UNC Dataverse and its ancillary services in collaboration with Harvard's Institute for Quantitative Social Science
- Automate systems installation and configuration using Ansible, Docker, Kickstart and Singularity
- Troubleshoot and performance-tune Odum's VMware cluster, configure and upgrade NetApp storage
- Service technologies include Apache, Dataverse, Glassfish, iRODS, LDAP/Kerberos/Shibboleth, Postgres, and R.

UNC School of Media and Journalism (March 2010 – June 2015)

Systems Administrator, Information Security Liaison and de facto Webmaster

- Install, configure and maintain Windows 2012, Macintosh OS X, Red Hat- and Debian-based Linux servers
- Manage virtual servers using VMware's vCenter and ESXi, configure and maintain NetApp storage services
- Assumed responsibility for the School's 65+ CMS-based web sites when the webmaster position was cut
- Work closely with faculty and graduate students to develop technical solutions for academic and research projects
- Account management through Active Directory, Kerberos and LDAP integration on servers and desktops
- Implemented service monitoring and configuration management solutions for uniformity and reliable service
- Focus on usability, reliability, and organizational compliance with campus IT security guidelines
- Support multimedia and web programming labs, instructor stations, and faculty, staff and student workstations
- Emphasis on excellent customer service and demonstrated work ethic in a team-oriented environment

ibiblio.org, formerly sunsite.unc.edu (Apr. 2006–Mar. 2010, Aug. 1997–Aug. 1998, May 1999–Aug 2003)

Systems Administrator, Graduate Student Mentor, Grant Support and Service Outreach

- Responsible for ibiblio's web clusters, powering 2,000+ web sites 24/7/365, serving up to 24 million hits per day
- Responsible for ibiblio's fifty production servers: web, database, radio and video streams, legal Bittorrents
- Responsible for ensuring ibiblio's data integrity, planning for disaster recovery, and monitoring system security
- Install, configure and monitor ibiblio's production Netapp filers and Linux-based NFS file servers
- Configure and tune Apache httpd, Squid, MySQL, Postfix, Mailman, and other open source services
- Support popular CMS packages such as Wordpress, MediaWiki, Joomla and Slashcode, custom PHP/Perl
- Planned and executed a major data center migration, moving fifty production servers while minimizing downtime
- Manage ibiblio graduate student workers (varying from 3-8, depending on the school schedule) on various projects
- UNIX support for SILS faculty research projects, graduate students and other campus groups
- Administrative contact for ibiblio as it interfaces with the Internet Archive, the Fedora Project, NCSU's Virtual Computing Lab project, the Linux Documentation Project, and other research projects
- Attending member of the Internet Archive's Open Content Alliance and OpenLibrary Project

N.C. State University (August 2003 – April 2006)

End-user technical support through the IT Division's Distributed Support Team

- Purchasing and consulting for the Department of Biochemistry and the North Carolina Sea Grant College
- Single-handedly supported approximately 200 machines, and many more human beings
- Platforms included Windows XP/2000/98/95/3.1, Macintosh X/9/8, Linux, and IRIX

Education:

Graduate: School of Information and Library Science, UNC-Chapel Hill

Completed Master of Science in Information Science in May of 2003.

Undergraduate: School of Journalism and Mass Communication, UNC-Chapel Hill

Completed the school's Multimedia track in June of 2000.