

Richard L. Goerwitz III

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Summary:

This *c.v.* describes a career that cuts across multiple disciplines and work environments, combining a strong academic background with extensive information technology development and deployment skills—and these together with practical experience working as a teacher, programmer, analyst, and general IT consultant.

Education:

- **1993** Ph.D. University of Chicago, Near Eastern Languages and Civilizations
Dissertation defended with honors
- **1988** M.A. University of Chicago, Near Eastern Languages and Civilizations
- **1985** M.A. Yale University Divinity School, Bible
- **1983** B.A. University of Chicago, Linguistics (honors, Phi Beta Kappa)
- **1981** A.A. Bryn Athyn College (general liberal arts)

Information Systems Skills/Experience:

- **Academic IT:** Skilled in working with faculty and with information systems that support their instructional and research goals. Well versed in directories, web services, portals, streaming media services, course management tools and general networked services.
- **Systems Integration:** Skilled in linking diverse systems together for data sharing and automated maintenance. Well versed in capturing formal and informal business rules and managing complex data access and visibility restrictions. Able to resolve inevitable conflicts among stakeholders and keep complex projects moving.
- **Database Administration:** Experienced deploying applications with Oracle, Sybase, MySQL, and MS SQL. Served as Carleton's interim DBA in the fall of 2003; became a full-time DBA in August 2004. Developed various applications spanning multiple campus databases. Key player in Carleton's web reporting and business intelligence projects. Currently PM for data warehouse.
- **Identity Management:** Designed and deployed Brown University's web-based single sign-on system. Designed, deployed, and still maintain Carleton College's enterprise directory. Carleton's enterprise directory now drives most new software on campus that authenticates users or makes authorization decisions.
- **Hands-On Programming:** Expert mod_perl/Perl/Embedded Perl programmer. Have worked with C since 1994; also, Python and a number of other languages (including some fairly obscure, interesting ones, like Icon). Have used Java for three years, mainly for uPortal and Luminis

channel development). Willing to RTFM and work with a wide variety of environments, languages, and technologies.

- **Systems Administration:** Big advocate of automated server configuration and management. Extensive experience configuring and maintaining Unix machines (primarily Solaris and Linux; have worked with Unix variants, both BSD and SYSV, since the 80s). Extensive experience writing shell scripts, Perl scripts. Can bring up nearly any networked service.
- **Protocols, Standards:** Have worked with all the biggies: TCP/IP, DNS/BIND, DHCP, SMTP, SNMP, NIS, LDAP, HTTP, HTML; wrote one of the first existing XML validators for Brown University's recently disbanded Scholarly Technology Group. Have written WebDAV-aware portals, web-based remote-access systems (typically used to replace a cumbersome VPN). Worked extensively with XML.
- **Documentation:** Have produced thousands of pages of online and offline documentation, from refereed scholarly articles, to newspaper editorial columns, user manuals, internal and external technical reports, and web-based multimedia tutorials

Employment History:

- **2004-present** Database Administrator/Applications Programmer, Carleton College
Manage Oracle, MySQL, and LDAP databases and LDAP metadata scripts. Other duties have varied widely: Lead data warehouse design and deployment. Set up, design data marts; build ETL processes to load data from various sources, including SNMP agents, card-access systems, flat files, and OLTP databases. Tie data marts to reporting tools. Assume leading role in enterprise application and systems integration projects, particularly ones involving databases, provisioning, and web-enablement of applications. Code applications as needed, and provide web infrastructure and general systems support, particularly with Linux and Solaris machines. Install, integrate, deploy Cognos (a reporting, business intelligence, and decision support tool). Set up, configure Moodle course management system; automate course setup/rosters by tying Moodle to LDAP in 2005. Integrate GE PicturePerfect card-access system with ERP system.
- **2002-2004** Web Technical Administrator, Carleton College
Handle web infrastructure, upgrades, database; handle most systems integration and identity management for Carleton College. Set up, administer LDAP; interface LDAP with other information repositories. Interface with Oracle, Informix, SQL Server, and with NOSs. Help integrate/construct front end for Datatel WebAdvisor. Work with Luminis portal. Provide general programming, database, systems administration support.
- **2001-present** Partner, Goerwitz Information Technology Consulting
Provide strategic planning, advice, custom programming, and systems integration services for clients spanning both for-profit and nonprofit sectors (e.g., the Nature Conservancy; Countrywide Credit Industries, Inc.; Brown University). My primary business has been helping institutions deploy secure remote-access web portals, single sign-on web systems, and database-driven web services.
- **1999-2001** Programmer/Analyst, Computing and Information Systems, Brown University
Build, package, and deploy Brown's institution-wide web-based authentication infrastructure; work with mainframe, Unix, and micro support departments as needed; create, package, deploy Brown's university-wide remote web-access system (a custom-written Web portal geared specially for Library resources that uses Kerberos and/or LDAP for authentication); help deploy web-based email solution for the campus; provide consulting services for a wide variety of other groups, projects, and initiatives (e.g., the Campus Security Task Force, Unix Systems Administrators group, etc.)

- **1996-1999** Lead Research Programmer/Analyst, Brown Univ. Scholarly Technology Group
Develop new web-based software packages (full-text retrieval systems, CGI scripts, TCP/IP client-server apps., Apache modules, authentication systems, conversion software, web administration scripts, tools, and analysis software); set up, maintain SQL servers, DNS, DHCP, SMTP (+ spam filters), NFS, AppleTalk, SMTP; set up and maintain over a dozen web servers; perform regular, comprehensive security audits; maintain user accounts; ensure interoperability (on the filesystem level) of major platforms, Unix, Windows, and MacOS
- **1995-1996** Programmer/Analyst, University of Chicago Oriental Institute
Bring up X-terminal based system for entering data for the Royal Achaemenid Inscriptions Project; install, maintain TeX, many language interpreters; general systems software; do CGI, PERL, C programming; generally make things work on Unix-based servers.
- **1995-1996** Lecturer, NELC, University of Chicago
Taught advanced biblical Hebrew to graduate students in both NELC (Near Eastern Languages and Civilizations) and the University of Chicago Divinity School. Developed a textbook specifically for students in this program.

Major Computing Projects:

- **2005** Integrated Moodle Course Management system with Carleton College's provisioning and middleware infrastructures
- **2005** Tied GE PicturePerfect to Carleton Colleges provisioning and middleware infrastructures; acted as internal lead on the upgrade from PicturePerfect 1.x to 3.x; set up data warehousing and reporting tools for this system
- **2005** Integrated Heat/Hat Asset Tracking with Carleton's provisioning/middleware setup
- **2005** Integrated Cognos ReportNet with Carleton's existing middleware setup and deployed ReportNet for campus use
- **2004** Led LDAP integration project for Carleton Library, working both with Carleton and St. Olaf Colleges, as well as with the OPAC vendor, III, to add the ability to provide delegated, multi-institutional authentication facilities to the new joint Carleton-St. Olaf OPAC
- **2004** Integrated the SCT Luminis portal with Carleton's provisioning systems (project died)
- **2002-05** Designed, created, and deployed Carleton College's enterprise directory
- **2001** Completely redesigned and redeployed Brown's remote web-access system
- **2000** Designed/deployed Brown's secure web-based authentication/authorization system
- **1999** Designed and implemented the first online OEB validator in collaboration with NuvoMedia (the since bought-out makers of the Rocket eBook)
- **1998** Designed, implemented what was until '00 the best web-based XML validator around
- **1998** Designed encrypted, passworded proxy system for accessing Brown's on-campus Web resources from off-campus (includes SSL-enabled proxy server with local source mods; Kerberos/PAM configurations; programmer/user/webmaster docs)
- **1997** Created OED2 web-searcher; TEI10 registration system; SGML->RTF converter
- **1997** Created the Quran Browser, an Internet-visible Qur'aanic concordance system
- **1996** Created the Bible Browser, an Internet-visible biblical concordance system

- **1993** Release of IBPAG2, an Icon-based SLR/quasi-GLR parser generator
- **1991** Release of Bibleref, a Bible search and retrieval engine for Unix
- **1990** Creation of FP, a multilingual Hebrew-Aramaic-English search/retrieval package

Presentations, Technical Documents, Short Pieces (samples):

- **2006** Presentation: “Using LDAP with III in a Consortium,” National IUG Conference, May 22nd 2006, Denver (co-presented with Eric Hinsdale and Sarah Johnston)
- **2005** Presentation: “Patron Verification and Security,” Minnesota IUG Meetings, May 26th 2005, St Thomas Law School (http://www.goerwitz.com/papers/web_opac/)
- **2005** Presentation: “Cheap, Easy Virtual Hosts for Web-Based Services,” Gus Day 2005 session, Bethel College (<http://www.goerwitz.com/papers/chroots/>)
- **2004** Presentation: “Carleton’s Enterprise Directory Service (EDS),” Lecture given to the IT staff of Washington University in May of 2004 (http://goerwitz.com/papers/carleton_edc/)
- **2003** Presentation: “Integrating WebAdvisor into a Single-Credential Environment,” Datatel Users Group (DUG) session, Washington: March, 2003 (co-presented with Tom Hayes)
- **1996** Short biography: *Emanuel Swedenborg*. Co-written with David Cody. Available via George Landow's *Victorian Web* at: <http://www.victorianweb.org/religion/swdbor.html>
- **1996** Editorial: “Students missing the Bible as literature,” *Chicago Tribune*, Sunday issue, April 28, 1996
- **1994** Presentation: “Is Tiberian Hebrew *Segol* a Phoneme?” given at the 1994 (Chicago) Society of Biblical Literature meetings
- **1993** Technical documentation: “An Icon-Based Parser Generator,” *The Icon Newsletter* 43 (November, 1993), 2-5
- **1990** Presentation: “Doubts about a Ugaritic Subjunctive in *-a*,” given at the 1990 (New Orleans) Society of Biblical Literature meetings
- **various** Presentation slides, technical whitepapers, documentation, and other miscellaneous writings may be found at <http://www.goerwitz.com/docs/>

Academic Publications:

- **2006** “A New Masoretic 'Spell Checker' – or – a Fast, Practical Method for Checking the Accentual Structure and Integrity of Tiberian-Pointed Biblical Texts,” forthcoming (Oriental Institute, University of Chicago; festschrift for Gene Gragg)
- **2003** “Long Hair or Short Hair in Ezekiel 44:20?,” *Journal of the American Oriental Society* 123:2 (2003), 371-6
- **1998** “Pass-Through Proxying as a Solution to the Off-Site Web-Access Problem,” *D-Lib Magazine*, June 1998
- **1997** “Fear of Offending: A Note on Educators, the Internet, and the Bible Browser,” *D-Lib Magazine*, April 1997
- **1997** Book Review: David Volgger, *Notizen zur Phonologie des Bibelhebräischen* (St.

- Ottilien: EOS Verlag, 1992), *Journal of Near Eastern Studies* 56:1 (1997), 71-72
- **1996** “What Does the Priestly Source Mean by פָּרַע אֶת הָרֹאשׁ?” *Jewish Quarterly Review* 86:3-4 (1996), 377-394
- **1996** “Is Tiberian Hebrew *Segol* a Phoneme?” *SBL Masoretic Studies* 8 (1996), E. J. Revell, ed., 155-70
- **1996** “The Jewish Scripts,” a chapter in *The World's Writing Systems*, Peter Daniels and William Bright, eds. (Oxford, 1995), 487-498
- **1996** Book review: Walter Bodine ed., *Linguistics and Biblical Hebrew* (Winona Lake, Indiana: Eisenbrauns, 1992), *Journal of Near Eastern Studies* 55:3 (1996), 208-209
- **1995** “How do you say דָּבַר?” *Journal of Semitic Studies* 40:1 (1995), 31-38 (co-written with Robert Johnson)
- **1995** “A Simple, Practical System for Transliterating Tiberian Hebrew Vowels,” *Hebrew Studies* 36 (1995), 13-24 (co-written with Robert Johnson)
- **1995** “Non-Judahite Dialects and the Diacritics of the Masoretic Text,” *Journal of Northwest Semitic Languages* 21:1, 49-57
- **1994** Book Review: James Price, *The Syntax of Masoretic Accents in the Hebrew Bible* (Lewiston, N.Y.: Edwin Mellen Press, 1990), *Journal of Near Eastern Studies* 114:2 (1994), 276-77
- **1993** Dissertation: *Tiberian Hebrew Pausal Forms* (a radical re-evaluation of Tiberian Hebrew [morpho]phonology as it pertains to the phenomenon of “pause,” co-directed by Gene Gragg and Dennis Pardee)
- **1992** “The Accentuation of the Hebrew Jussive and Preterite,” *Journal of the American Oriental Society* 112 (1992), 198-203
- **1990** “Tiberian Hebrew *Segol*: a Reappraisal,” *Zeitschrift für Althebraistik* 3:1 (1990), 3-10
- **1988** “Thoughts on Modern Hieroglyphic Theories and their Impact on Swedenborg's Intellectual Milieu,” *Studia Swedenborgiana* 6:3 (1988); view online at <http://www.baysidechurch.org/studia/studia.cfm?ArticleID=61&VolumeID=23&AuthorID=15&detail=1>

Personal Information:

- Born in Abington, Pennsylvania USA on July 18, 1960
- Married 22 years to Amy Christianson
- Son, Richard (20 years old); daughter, Jariya (5 years old)
- Active in community; have coached youth soccer and baseball; volunteer in local schools
- Favorite activities include hiking with my son, biking, skimming Slashdot, and reading anything published by O'Reilly; I'm also a racquetball, tennis, and paddleball hound