

Michael Futreal | michaelfutreal@gmail.com | 318-349-223

professional web and multimedia consulting

Education

M.S. Applied Sociology, North Carolina State University, 1996.

B.S. Applied Sociology, North Carolina State University, 1993.

Employment

Consulting Work

ongoing

- web development and trouble-shooting, Williams Creative Group (2012-present)
- web systems administration and development support, Centenary College (2012-present)
- roster/statistics management application for Shreveport Area Ladies' Tennis league (2007-present)
- interactive CD-rom distributed to Louisiana school systems on behalf of Frost School of Business, Centenary College (2007)

Web Developer/Producer Centenary College of Louisiana

2001-2012

- developed and maintained original PHP/MySQL/jQuery wiki / content-management system
- built and maintained back-end and front-end for data-driven custom web applications
- integrated 3rd party technologies into web server mix as needed, including payment gateways
- oversaw content of entire website, including technical design of templates for nearly all materials
- produced and/or participated in production of content for much of upper-tier website and associated media projects, including writing, video production, audio and music production, and graphic design
- coordinated with multiple campus entities to facilitate content provisioning
- provided miscellaneous programming support for wide variety of projects on campus, both web and non-web
- performed server system and database administration duties
- assembled and configured miscellaneous hardware systems
- served on campus "Branding Team" through 2008
- Technologies used routinely in this capacity included:
 - server-side development — PHP, Javascript, SQL
 - client-side development — Javascript/jQuery, HTML, CSS
 - database administration and programming — MySQL, MS Access
 - OS — Linux (sys admin), Windows, OSX
 - content development — Photoshop, Flash, Acrobat, various video and audio production packages

Part-time Instructor, Centenary College of Louisiana

2000-2011

- 2008-2009, 2011: FYE 101, First Year Experience (cornerstone writing and analytical thinking class)
- Spring 2008: COMM 451, Special Topics in Communications — 2D Digital Animation
- Spring 2007: COMM 451, Special Topics in Communications — Actionscript Game Programming
- before 2007: taught Intro to Information Technology, Statistics, Sociology of Religion, and Introduction to Computers
- oversee independent study projects and for-credit internships on demand
- 2004 & 2005: provided week-long summer workshops, "Creating Computer Games," to local high school students

Applications Analyst Programmer, N. C. State University, Urban Affairs

1997-2000

- developed and maintained CGI access to database back-end of North Carolina Department of Public Instruction Accountability website, facilitating online test data collection from all North Carolina school systems
- trained and supported coworkers and end-users
- developed (Perl) online voting system for NCSU Student Government elections
- created HTML based layout of various websites and CGI output for contract clients
- developed data management applications in Microsoft Access/Visual Basic
- developed Visual Basic Windows applications for distribution across enterprise
- debugged and supported legacy C applications

Research Assistant, N. C. State University, Department of Sociology

1993-1997

- responsible for survey data management and analysis
- participated in focus group data collection and analysis
- programming (SAS, SPSS, Pascal)
- ghost-wrote reports for N. C. Legislature
- co-authored articles in academic journals
- developed faculty web pages

Researcher / Technical Consultant, Valley Hill Capital, Inc., Philadelphia, PA

November 1999 to 2006

- researched trends in the biotech sector
- wrote technical briefs on target companies
- maintained private website and provide on-call technical support

Grants

2004 ACS-Mellon Technology Fellowship

Mathew Weeks, Ph.D, and I co-developed SurveyStop: An Online Facility for Easing Students' Survey Completion. SurveyStop now serves as a resource to ACS faculty in psychology and related disciplines. This web-based software provides a generic system for the administration of online survey instruments as well as the storage and retrieval of collected data.

Publications and Presentations

Futreal, Michael. "molawiki: a Wiki-Based Web Development Platform." 2006. Wikimania 2006 Conference, Harvard Law School.

Hoban, Thomas J., William Clifford, Michael Futreal, and MaryBe McMillan. 1997. "North Carolina Producers' Adoption of Waste Management Practices." *Journal of Soil and Water Conservation* 52(5): 332-339.

Wolkomir, Michelle, Michael Futreal, Eric Woodrum, and Thomas Hoban. 1997. "Denominational Subcultures of Environmentalism." *Review of Religious Research* 38: 325-343.

Wolkomir, Michelle, Michael Futreal, Eric Woodrum, and Thomas Hoban. 1997. "Substantive Religious Belief and Environmentalism." *Social Science Quarterly* 78: 96-108.

Molnar, Joseph, Thomas Hoban, J.D. Parish, and Michael Futreal. "Industrialization of Agriculture: Trends, Spatial Patterns, and Implications for Field-level Application by the Natural Resource Conservation Service." 1996. Social Sciences Institute Technical Report Release 5.1. Greensboro, NC: U.S. Department of Agriculture.

References

References are available upon request.