

# Michael Futreal | michael@futreal.com

## Education

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

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

## Employment

Web Producer, [Centenary College of Louisiana](#)

2001-present

- develop and maintain original PHP/MySQL/jQuery wiki-style content-management system
- build and maintain back-end and front-end for data-driven custom web applications
- integrate 3rd party technologies into web server mix as needed, including payment gateways
- oversee content of entire website, including technical and graphic design of templates for nearly all materials
- produce and/or participate 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
- coordinate with multiple campus entities to facilitate content provisioning
- provide miscellaneous programming support for wide variety of projects on campus, both web and non-web
- perform server system and database administration duties
- assemble and configure miscellaneous hardware systems
- managed 1 employee (web designer) and variable number of interns 2008-2010
- served on campus "Branding Team" through 2008

Technologies used routinely in this capacity include

- server-side development — PHP, Python, Javascript, SQL
- client-side development — Javascript/jQuery, HTML 5, CSS
- database administration and programming — MySQL, MS Access
- OS — Linux (sys admin), Windows, OSX
- content development — Photoshop, Flash, Illustrator, Acrobat, various video and audio production packages

## **Part-time Instructor, Centenary College of Louisiana**

**2000-present**

- 2008-2009: FYE 101, First Year Experience (cornerstone writing and analytical thinking class)
- Spring 2008: COMM 451, Special Topics in Communications – 2D Digital Animation
- Spring 2007: CCOMM 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

## **Consulting Work**

**ongoing**

- currently developing membership sales system for local client using Amazon Web Services (2011)
- roster/statistics management application for Shreveport Area Ladies' Tennis league (2007-present)
- content-management driven website for New Arts Cultural Society, Inc. (2007)
- interactive CD-rom distributed to Louisiana school systems on behalf of Frost School of Business, Centenary College (2007)

## **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**

- 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 and Technical Consultant, Valley Hill Capital, Inc., Philadelphia, PA  
November 1999 to 2006**

- research trends in the biotech sector
- write technical briefs on target companies
- maintain private website and provide on-call technical support

**System Operator, N. C. State University, Leazar Computer Labs  
1991-1992**

- user support and system maintenance for Unix-based computing environment

## 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.