Casey A. McLaughlin

Tallahassee, Florida 32303

e (Email Address): caseyamcl@gmail.com
w (Website): http://caseymclaughlin.com
ph (Phone Number): (850) 284-7271

Education

Florida State University, Tallahassee, Florida
MS, Library Science and Information Studies **May, 2009**
Focus: Information Technology Management

Florida State University Tallahassee, Florida
BS, Information Studies **May, 2004**
Honors: Cum Laude, Academic Leadership Award

Teaching Experience

Florida State University College of Communication and Information
Adjunct Instructor - Web Development with PHP **May, 2008 – Current**

- Develop syllabus, learning objectives, course structure and curriculum
- Deliver lectures, and administer all grades.
- Work with faculty to ensure the course fits strategic goals of the program curriculum

Professional Experience

Florida State University Institute for Digital Information and Scientific Communication
IT Administrator / Non-Tenure Faculty **January, 2011 – Current**

- Manage team of designers, developers, and sysadmins to support online repositories and web applications
- Participate in information management research for grant-based data collections
- Implement semantic web technologies in large data repositories

Florida State University College of Communication and Information
Director of Application Development **July, 2009 – August, 2011**

- Develop project management procedures and strategies, and manage multiple simultaneous web application development projects
- Provide experiential learning and on-the-job training to undergraduate students through internships and mentoring
- Provide assistance to faculty for utilizing IT resources in research grants
- Manage and deploy Linux server systems for hosting hundreds of non-profit and academic websites, including several medium-to-high traffic sites and large databases
- Ensure that faculty and staff have access to the very best tools for teaching, research, and service

Florida State University College of Information

Information Technology Coordinator **June, 2005 – June, 2009**

- Coordinated all major IT projects within the College
- Managed tactical and operational IT planning, procurement, implementation, and systems maintenance
- Developed departmental business continuity plan
- Completed overhaul of IT server systems, including implementation of virtual technologies and relocation to managed datacenter
- Developed standard operating procedures for server management
- Coordinated with other departments at FSU to reduce overhead by moving many functions onto centrally managed University-provided services, such as email, calendaring, listservs, firewall, etc.
- Developed polices for, and managed $200,000 annual IT budget

Liquifusion Studios

IT Consultant **August, 2005 – January, 2008**

- Developed comprehensive IT evaluations and solution plans for small businesses in the Florida Panhandle, which I then implemented.
- Designed a three-tiered Small Business Self-Evaluation IT Checklist focused on security, business continuity, and resource management for general distribution

Florida State University School of Library and Information Science

User Services Supervisor **September, 2004 – June, 2005**

- Oversaw operations of Helpdesk employing five part-time graduate students and 20 undergraduate interns.
- Reduced open ticket time by 120% in four months by implementing new performance measurement tools and standard operating procedures to reduce the need for re-training
- Provided IT support to over 50 faculty & staff and 600 students, including hardware and software support
- Reduced expenses on employee workstations by implementing a managed replacement cycle for technology
- Led effort to consolidate calendaring and email systems onto an externally managed Exchange system

Research Participation

Mardis, M.A., **MCLAUGHLIN, C.**, & Gingell, G. (2012): *Digital Libraries to School Libraries*. Poster presented at the Joint Conference on Digital Libraries, Washington D.C.

Lustria, M.L.A., Cortese, J., & **MCLAUGHLIN, C.** (2012): *Investigating the WAHI: A Randomized Control Trial of an Online Interactive Tailored Video Intervention for STD Awareness*. Poster presented at the Kentucky Conference on Health Communication, Lexington, Kentucky

Riccardi, G., Leiva, D., **MCLAUGHLIN, C.**, & Garcia-Castro, A. (2012): *An Information System for Analyzing and Discovering Suicide Research Literature*. Presentation at the American Association of Suicidology Conference, Baltimore, Maryland

Mardis, M.A., & **MCLAUGHLIN, C.** (2010): *Digital Libraries to School Libraries (DL2SL): A Strategy for Open Content Integration in Schools*. Poster to presented at the Institute of Museum and Library Services Annual Meeting, Washington, D.C.

Lustria, M.L.A., Kazmer, M. M. M., Glueckauf, R. L., Hawkins, R., Randeree, E., Rosario, I. B., **MCLAUGHLIN, C.**, & Redmond, S., (2010): Participatory design of a health informatics system for rural health practitioners and disadvantaged women. *Journal of the American Society for Information Science and Technology*, 61(11), 2243-2255, doi:10.1002/asi.21390

Lustria, M.L.A., Kazmer, M. M. M., Glueckauf, R. L., Randeree, E., Rosario, I. B., **MCLAUGHLIN, C.**, & Webster, A., (2010): *Supporting Breast Cancer Screening Needs of Rural, Disadvantaged Women Via a Tailored Reminder System (Information Needs and Perceived Barriers to Preventive Care)*. Poster to be presented at the Florida Health Disparities Research Invitational Summit, Ft. Lauderdale, Florida. (Regional)

Lustria, M.L.A., Kazmer, M. M. M., Glueckauf, R. L., Randeree, E., Rosario, I. B., **MCLAUGHLIN, C.**, & Webster, A., (2010): *Supporting Breast Cancer Screening Needs of Rural, Disadvantaged Women Via a Tailored Reminder System (Using Participatory Approaches for Designing Health Informatics Systems for Application in Rural Settings)*. Poster to be presented at the Florida Health Disparities Research Invitational Summit, Ft. Lauderdale, Florida. (Regional)

Projects and Other Activities

Web Projects

Biotea *http://biotea.idiginfo.org*

Systems and Database Support **January, 2012 – Current**

- Oversee management of a large (20m+) collection of RDF documents
- Participate in RDF implementation of Pubmed Central and other document collections
- Manage graph database, web endpoints, and web service documentation

FSU SKY Compute Cloud *http://sc.fsu.edu*

Project Lead **August, 2011 – Current**

- Oversee implementation and maintenance of an Openstack compute system for scientific research at FSU
- Work with principal investigators and researchers at FSU to coordinate computing needs within this system
- Establish baseline service level expectations and ensure the system and staff provide those services

Military Suicide Research Consortium *http://msrc.fsu.edu*

Project Manager / Developer **January, 2011 – Current**

- Manage design, development, and systems maintenance for large online repository / web tool to support MSRC
- Develop and manage custom Drupal implementation and supporting modules
- Develop innovative interfaces for users to interact with a large academic journal collection

RU@Risk Online Intervention and Data Collection Tool *http://strategichealthpros.com/ruatrisk*

Lead Developer / Project Manager **January, 2011 – Current**

- Conceptualize, plan, and develop an online survey and STD-ordering kit targeted at College students
- Develop online survey system using PHP & CodeIgniter
- Audit application for HIPAA standards

- Develop and document secure REST interface to interface with the Department of Health systems for STD kit order management

Catastrophic Finance Insurance Information Portal *http://catriskfinancing.org*

Lead Developer **November, 2009 – Current**

- Worked with FSU Storm Risk Management Center to determine and implement client needs
- Developed a custom CMS for an information repository
- Subsequently developed a custom API for the CMS, and migrated content into Drupal 7
- Manage maintenance and development of custom database query tools

iSpace Web Hosting System *http://ispace.ci.fsu.edu*

Developer / Systems Administrator **August, 2006 – June, 2011**

- Plan, develop, and deploy a custom web and virtual server hosting solution for students and faculty
- Develop online end-user documentation and training materials in collaboration with undergraduate students
- Integrate many technologies to provide turnkey web services to users, including LDAP, PHP, PAM, MySQL, and DNS
- Manage integration with the FSUID authentication system and user accounts

Digital Libraries to School Libraries *http://dl2sl.org*

Lead Developer **October, 2009 – Current**

- Conceptualize, plan, and develop a tool to allow librarians to easily share and add digital resources to their collections
- Conduct workshops with librarians and information professionals
- Implement the MARC21, MODS, METS standards in PHP and CodeIgniter
- Develop sophisticated web scraper in PHP
- Interface with Destiny, Alexandria, and other popular catalog software
- Work with librarians and information professionals to determine needs and implement tools
- Design front-end interface for Web2Marc tool

STEER Research Project *https://strategichealthpros.com/front/index.php/steer*

Lead Developer / Project Manager **August, 2007 – May, 2010**

- Plan, develop, evaluate, deploy, and maintain full featured online patient record management system
- Coordinate and manage team of application developers

Ready4Changes Online Survey and Intervention *https://strategichealthpros.com/front/index.php/rcp*

Lead Developer / Project Manager **August, 2007 – December, 2009**

- Plan, develop, evaluate, deploy, and maintain a web-based survey and tailored content delivery system
- Coordinate and manage team of application developers

Guest Lectures

Introduction to Server Virtualization

Florida State University Association of Information Technology Professionals

IT Ethics **April, 2009**

Florida State University College of Information **September, 2008**

Other Activities

DrupalCamp Atlanta (2011)
National Science Digital Library Annual Meeting (2010)
PHPTek 2010 (2010)
O'Reilly National Open Source Convention (2010)
Association of Information Technology Professionals, FSU Chapter
National & Southeast Regional Educause Conference (2005, 2006)
Educause / Cornell Policy Writing Workshop (2005)

Skillset

Management

- IT operations
- Budget and resource management
- Policy writing and procedure management
- Strong written and verbal communication

IT Management

- Installation and maintenance of server systems
- Management of Linux systems, mostly CentOS and Ubuntu Server
- Systems architecture planning, mostly Open Source
- LAMP Stack, Lighttpd, and NGINX management
- Server Virtualization: vmWare, KVM, Xen
- Network management (SMB TCP/IP network planning, implementation, and maintenance)
- Windows Active Directory deployment and management
- MySQL deployment, configuration, and maintenance
- Apache SOLR/Lucene (integration with Drupal)
- LDAP integration with Linux (PAM), PHP, Wordpress, and Drupal

Web and Development Technologies

- Large web application project management
- Web application project management
- RDF/RDFa, Microformats, and Semantic Web Tool Integration
- Drupal site planning, development, and maintenance
- Drupal migration planning and implementation
- Drupal module development
- Certified PHP developer
- MVC: CodeIgniter and Zend Frameworks
- HTML5, CSS, Jquery/JS development
- Version control (Git, Mercurial, & Subversion)
- Eclipse, Netbeans, and VIM
- REST development, Web APIs, JSON, and XML
- Knowledge of Information Formats: MARC21, MODS, METS, DC
- Wordpress Management and Plugin Development
- Responsive & mobile website development

Instruction

- Design and development of course curriculum
- Experience in course leadership and integrating applied skills into a management curriculum