

ALICIA F. GUIDRY, PH.D.

(225) 324-0688 – aguidry@gmail.com - <http://www.aliciaguidry.com>

EDUCATION

Ph.D., Biomedical and Health Informatics, December 2013, University of Washington, Seattle, WA
Dissertation: “Ontology Based Data Integration of Open Source Electronic Medical Record and Data Capture Systems”
Advisor: James F Brinkley, M.D., Ph.D.

B.S., Computer Science, June 2007, Louisiana State University and A&M College, Baton Rouge, LA

AWARDS AND HONORS

- International Partnership in Health Informatics Education Fellow, UW, Summer 2011
- National Library of Medicine/National Institutes of Health Pre-Doctoral Informatics Fellowship, UW, 2007 – 2010
- HHMI Professors Program Scholarship, LSU, 2003 – 2007
- Louisiana Tuition Opportunity Program for Students – Performance Award, LSU, 2001 – 2003
- YMCA Black Achievers Scholarship – Louisiana Tech Award, LA TECH, 2001 – 2002

PROFESSIONAL/WORK EXPERIENCE

WORK EXPERIENCE

HIT Coordinator – Informatics Research Institute, University of Louisiana at Lafayette, Lafayette, LA

07/16 – present

Worked as liaison between Louisiana Department of Health (LDH) Medicaid staff and external stakeholders; Assisted in the formulation of HIT strategy; Supervised four HIT staff members in administering the electronic health records (EHR) incentive program; Implemented initiatives designed to increase adoption of EHR and information exchange; Oversaw CMS funded HIT projects to ensure efforts are MITA compliant; Assisted in the development and budgetary monitoring of the HIT Implementation Advanced Planning Document and associated projects; Assisted in the creation of the Louisiana HIT Roadmap and the execution of Roadmap Activities 1-3

Software Developer Supervisor – Informatics Research Institute, University of Louisiana at Lafayette, Lafayette, LA

07/15 – 07/16

Worked as a liaison between the Medicaid staff and ULL staff at LDH; Supervised two software developers and one database administrator; Maintained and implemented electronic supplemental forms for the Medicaid Eligibility Determination Team at Louisiana Department of Health and Hospitals; Maintained Medicaid Provider Request software for LDH; Maintained Medicaid Recipient Notices software for LDH; Maintained the public facing SharePoint website for the Center for Environmental Health at LDH;

Software Developer – Informatics Research Institute, University of Louisiana at Lafayette, Lafayette, LA

08/13 - 07/15 Maintained Medicaid Provider Request software for LDH; Maintained Medicaid Recipient Notices software for LDH; Maintained the public facing SharePoint website for the Center for Environmental Health at LDH;

RESEARCH EXPERIENCE

Research Assistant – Clinical Informatics Research Group, UW, Seattle, WA

07/10 – 07/11 Evaluated probabilistic patient matching algorithms for use with the iSante Medical Research system – Haiti Implementation; Tested the OpenMRS patient matching module on ~41,000 patients in the iSante System; Implemented an automated testing environment for use with iSante
Mentor: Christina White and William Lober, M.D., M.S.

Research Assistant – Kenya Medical Research Institute – UW Research Group, UW, Seattle, WA

04/09 – 06/11 Gathered detailed requirements from end users within KEMRI-UW and around Kenya; Developed and maintained system design documents and development timelines; Lead, participated in and managed junior developers in software development for a specimen tracking and two clinical trial electronic data capture systems
Mentors: Neil F. Abernethy, Ph.D., Benjamin Piper MPH, Judd L. Walson, M.D., MPH

Research Rotation – Medical Education and Biomedical Informatics, UW, Seattle, WA

09/08 – 03/09 Conducted a systematic literature review of the current research in emergency preparedness simulation
Mentor: Anne M. Turner, M.D., MPH

Research Rotation – Institute of Translational Health Sciences, UW, Seattle, WA

09/07 – 04/09 Evaluated electronic data capture systems used at Clinical & Translational Science Award Universities
Mentor: Peter Tarczy-Hornoch, M.D., James F. Brinkley, M.D., Ph.D., Nick Anderson, Ph.D.

Research Assistant – Stipends for Training Aspiring Researchers Program, UW, Seattle, WA

06/07 – 08/07 Conducted a systematic literature review of the PubMed listed literature in ambulatory adverse events
Mentor: Peter Tarczy-Hornoch, M.D., James Tufano, Ph.D.

Research Assistant – Summer Research Experience for Undergraduates in Computational Science and Cybersecurity, University of Houston, Houston, TX

06/06 – 08/06 Developed a calculus for minimizing the number of page transfers for a specific given amount of available main memory
Mentor: Ernst Leiss, Ph.D.

Research Assistant – Bioinformatics and Computational Biology Summer Institute Research Experience for Undergraduates, Iowa State University, Ames, IA

06/05 – 08/05 Developed a user interface that provides color selection options to aid users with color blindness in visualizing three-dimensional graph models in the C6 virtual environment
Mentor: Julie Dickerson, Ph.D.

Research Assistant – HHMI Professors Program, LSU, Baton Rouge, LA

02/04 – 05/06 Conducted a systematic literature review; Assisted in integrating a Computer Physician Order Entry system into the pediatric and emergency wards at Our Lady of the Lake Regional Medical Center; Taught the four-year-old class at LSU Daycare Center about basic computer components
Mentor: Sonja Wiley-Patton, Ph.D.

INTERNATIONAL EXPERIENCE

Visiting Scientist – Kenya Medical Research Institute – UW Research Group, KEMRI, Nairobi, Kenya

04/09 – 06/09 Conducted interviews with researchers and medical practitioners throughout Kenya concerning their usage of electronic data capture systems
Mentors: Neil F. Abernethy, Ph.D., Benjamin Piper MPH, Judd L. Walson, M.D., MPH

TEACHING EXPERIENCE & SERVICE

Lecturer, Foundations Informatics, University of Colorado Denver – NURS 6286

Fall 2017 Held office hours, graded assignments, prepared module summaries, worked with course lead to coordinate course activities with other lecturers
Lead Instructor Mustafa Ozkaynak, PhD

Teaching Assistant, Web Technologies, University of Washington – INFO 343

Summer 2011 Held weekly lab sections, held office hours, graded assignments, developed weekly quizzes, provided solutions
Professor Jacob Morris

Teaching Assistant, Web Tools and Development, University of Washington – INFO 344

Summer 2011 Held weekly lab sections, held office hours, graded assignments, developed weekly quizzes, provided solutions
Professor Tony Chang

Student Facilitator, Global Health Informatics Colloquium, University of Washington – MEBI 591C

Winter 2011 Organized speakers, maintained recordings and course website, graded weekly assignments for missed classes
Professor William Lober, M.D., M.S.

PROFESSIONAL ACTIVITIES/MEMBERSHIP

- Member, Association of Computing Machinery (2010 – present)
 - Student Volunteer, 2010 ACM International Health Informatics Symposium
- Member, American Medical Informatics Association (2007 – present)

Certificates

- Grant Proposal Writing Certification, Fort Hays State University (2015)
- ULearn Certification, University of Louisiana at Lafayette Office of Distance Learning
 - Online Teacher (2014)
 - Course Design Practicum (2014)
- Quality Matters
 - QM Rubric Sixth Edition (RU) (2018)
 - QM Rubric Update 2014 (2014)
 - Independent Applying the QM Rubric (2014)
- Sloan-C Teaching Workshops
 - Participant, New to Online: Effective Feedback Strategies (August 8 - 15, 2014)
 - Participant, New to Online: Engaging Learners In Online Discussions (May 2 – 9, 2014)
 - Participant, Writing Quiz Questions That Require Higher Order Thinking (April 18 – 20, 2014)

UNIVERSITY SERVICE

- Cajun Code Fest Judge (2016, 2018)
- Course Reviewer (2016)
- Student Senator, UW Graduate and Professional Student Senate, UW, Seattle, WA (Fall 2009 – Spring 2011)
- Volunteer, 30th Annual UW Science and Engineering Career Fair, UW, Seattle, WA (Fall 2009)

TECHNICAL SKILLS

- Programming: AJAX, ASP.NET, C, C#, CSS, HTML, Java, JavaScript, JQuery, LaTeX, PHP, SQL, Struts 2, VB.NET
- Operating Systems: Mac OS X, Unix, Windows

PUBLICATIONS

Journal Articles

[1] Nnedu ON, John-Steward GC, Singa BO, Piper B, Otieno PA, **Guidry A**, Richardson BA, Walson J. Prevalence and Correlates of Insecticide-treated Bednet Use Among HIV-1 Infected Adults in Kenya. *AIDS Care* 2012;24(12):1559-64.

[2] Franklin JD, **Guidry A**, Brinkley JF. A Partnership Approach for Electronic Data Capture in Small-scale Clinical Trials. *Journal of Biomedical Informatics* 2011. 44 Suppl 1:S103-8.

Invited Talks

[1] Guidry A, Keynote Speaker, Experiences with the Howard Hughes Medical Institute Program. *LSU STEM Alumni Connect 2015*. Baton Rouge, LA

[2] **Guidry A**, Abernethy N, Walson J. Lessons Learned: Meeting the Needs of Clinical Researchers in Rural Kenya. *NLM Annual Biomedical Informatics Trainee Meeting 2010*. Aurora, CO.

Poster Presentations

[1] **Guidry A**. Ontology Based Data Integration of Open Source Electronic Medical Record and Data Capture Systems. *LSU STEM Alumni Connect 2015*. Baton Rouge, LA.

[2] **Guidry A**, Walson J, Abernethy N. Linking Information Systems for HIV Care and Research in Kenya. Poster presented at: 2010 ACM International Health Informatics Symposium. Nov 11-12. Arlington, VA.

[3] **Guidry AF**, Brinkley JF, Anderson NR, Tarczy-Hornoch P. Concept Mapping to Develop a Framework for Characterizing Electronic Data Capture (EDC) Systems. *AMIA 2008 Annual Symposium*. Washington, D.C.

[4] **Guidry A**, Lugo M, Yang Y, Dickerson J. Improving Interactions with Simulations in the C6 Environment. *ABRCMS 2005 Annual Symposium*. Atlanta, GA.

[5] **Guidry A**, Lugo M, Yang Y, Dickerson J. Visualizing Complex Metabolic Interactions Using Three-Dimensional Graph Models. *University of Iowa/Iowa State University 5th Annual Joint Bioinformatics Workshop*. Iowa City, IA.

Ph.D. Dissertation

[1] **Guidry AF**. Ontology Based Data Integration of Open Source Electronic Medical Record and Data Capture Systems, Ph.D. Thesis, University of Washington, 2013.

OTHER PRESENTATIONS

Panel Participation

[1] Effective Undergraduate Retention and Mentoring Programs, University of Washington, Seattle, WA. October 26, 2006 (oral, invited)

[2] Effective Undergraduate Retention and Mentoring Programs, University of Louisiana at Monroe, Monroe, LA. April 8, 2006 (oral, invited)