

Kimberly Ann Smith, MS, MT(ASCP), CPHIMS

1400 Hermann Drive, #6B, Houston, Texas 77004 713-417-4151

kimberly.a.smith@uth.tmc.edu

kim@kimberlysmith-akin.com

<http://www.kimberlysmith-akin.com>

Education

2010	School of Health Information Sciences at Houston The University of Texas Health Science Center	PhD, Health Informatics (Anticipated)
2005	School of Health Information Sciences at Houston The University of Texas Health Science Center	MS, Health Informatics
1983	Medical Technology Internship, St. Luke's Episcopal Hospital, Houston	MT
1981	Eastern Kentucky University, Richmond, Kentucky	BS, Microbiology

Experience

2008- present	School of Health Information Sciences; The University of Texas Health Science Center, Houston <i>Graduate Teaching Assistant:</i> Courses: Health Information Technology for Patient Safety and Quality; Interface Design; Project Management; Technical Writing.
2003-2004	GE Medical Systems (formerly TRIPLE G Systems Group, Inc), Markham, Ontario, Canada <i>Technical Writer:</i> Developed documentation for support of a 510(K) transfusion medicine submission, including traceability matrices and standard operating procedures. Updated and created system documentation for anatomic pathology and transfusion medicine. Developed VBA scripts to automate production of release notes, reducing production time from 14 days to 2 days.
2000-2003	The University of Texas M. D. Anderson Cancer Center, Houston, Texas <i>Business Process Analyst / Project Manager:</i> Project manager for anatomic pathology computer system replacement project for 300-user anatomic pathology department in one of the world's premiere cancer centers. Handled \$1.8 million budget and successfully brought system online on time and on budget, with estimated cost savings of \$3.5 million over five years due to process streamlining. Was also lead technical contact for project: coordinated activities for conversion of 20 years of data from two separate legacy systems; performed all data-scrubbing activities for 1.3 million patient cases; wrote all end-user training materials; led training classes; and developed Visual Basic tools for Microsoft Word for transcription.
1990-2000	ADAC HealthCare Information Systems, Malcolm Baldrige National Quality Award Winning Company (formerly CHC), Houston, Texas <i>Manager, Technical Publications:</i> Implemented procedures and processes for meeting regulatory requirements. Received company's highest award, Power of One, January 1998 <i>Project Manager, Systems Implementation:</i> Assured contractual obligations were developed, tested, and documented for delivery; assisted client in analysis of software against workflow needs; developed training materials for new functionality and trained clients on system. <i>Client Services Analyst:</i> Supported all modules for laboratory information system clients for software issues ranging from critical system-down problems to documentation questions. Planned and executed software upgrades, disk optimizations, and file expansions. Was consistently a top producer for client satisfaction and incidents closed. <i>Implementation Analyst:</i> Primary liaison between client and company personnel during implementation of eighteen anatomic pathology, ancillary product, and conversion contracts. Evaluated client requirements; provided technical recommendations and solutions; trained client's staff on operating system and application software. Successfully converted 800,000 anatomic pathology cases from legacy system; successfully merged 8 production hospital environments into a single system.

- 1985-1990 **St. Luke's Episcopal Hospital, Houston, Texas**
Laboratory Information System (LIS) Supervisor; Database Analyst: Successfully converted a 1.5 million tests per year laboratory from a completely manual, paper-based system to its first laboratory computer system. Developed, implemented, tested, and maintained all database tables for chemistry, hematology, microbiology, and anatomic pathology; developed and maintained policy and procedure manuals and logs; and coordinated training of 230 employees, including pathologists and computer operators.
Medical Technologist, Chemistry section: Key operator of Technicon SMA IIC; assistant operator of Ektachem 700, Abbott TDx; authored SMA IIC teaching manual; taught medical technology students.
- 1983-1985 **The University of Texas M. D. Anderson Cancer Center, Houston, Texas**
Medical Technologist, Division of Veterinary Medicine and Surgery: Performed assays in hematology, chemistry, and bacteriology; assisted in cobalt and cisplatin therapy of animal patients.
- 1981-1983 **Fondren South Animal Clinic, Houston, Texas**
Veterinary assistant: Two-person small animal practice; assisted in exam room and surgery; participated in obtaining American Animal Hospital Association (AAHA) accreditation.
- 1975-1978 **Breathitt Veterinary Center, Murray State University (formerly University of Kentucky Animal Disease Diagnostic Laboratory), Hopkinsville, Kentucky**
Volunteer laboratory assistant, part-time: Assisted in necropsy, bacteriology, and brucellosis testing.
- 1974-1980 **Skyline Animal Clinic, Hopkinsville, Kentucky**
Veterinary assistant, part-time: Four-person practice; 75% large animal, primarily cattle and stockyard/herd health work such as dehorning, castrations, and blood collections for brucellosis surveillance.
- 1973-1974 **Elizabethtown Animal Hospital, Elizabethtown, Kentucky**
Volunteer veterinary assistant, weekends: Two-person large-animal practice; assisted with general medical, surgical, and obstetrical calls.

Professional Certifications and Memberships

- 2009 CPHIMS, Health Information Management Systems Society
- 1983 MT(ASCP), American Society for Clinical Pathology
 Member, American Medical Informatics Association (AMIA); Association for Veterinary Informatics (AVI); Health Information Management Systems Society (HIMSS)

Awards (partial)

- 2006 *Winner:* Selected as one of two School of Health Information Sciences doctoral students to participate in the interdisciplinary University of Texas Health Science Center/ University of Houston 2006 Health Care Team Competition. Member of winning team.
- 2005 *Recipient:* Third place prize for student poster competition, awarded by Healthcare Information and Management Systems Society (HIMSS), School of Health Information Sciences Fall Symposium.
- 2005 *Awardee:* Outstanding Community Service award; University of Texas Health Science Center

Skills

Microsoft Office including Word, PowerPoint, Access, Excel; Microsoft Project; basic HTML; Adobe Photoshop; Adobe Acrobat; Visio; LabCare, LabStat, and GE Centricity laboratory information systems (LIS); Tamtron PowerPath 2000 anatomic pathology system; some Microsoft SQL Server; basic SQL, Crystal Reports, RoboHELP; SPSS; Moodle learning management system (LMS); Joomla content management system. Windows XP; MS-DOS; Mac OS X; Stratus VOS; basic UNIX.

Papers and Presentations

- Peer-reviewed papers** *Toward a veterinary informatics research agenda: an analysis of the PubMed-indexed literature.* Smith-Akin, KA; Bearden, CF; Pittenger, ST; Bernstam, EV. Int J Med Inform. 2007 Apr;76(4):306-12. PubMed ID: 16569509.
- Context, automated decision support, and clinical practice guidelines: Does the literature apply to the United States practice environment?* Edmonson, S.; Smith-Akin, KA; Bernstam, EV. Int J Med Inform. 2007 Jan;76(1):34-41. PubMed ID: 16524767.
- Application of cognitive engineering principles to the redesign of a dichotomous identification key for parasitology.* Smith-Akin, KA., McLane, S., Craig, T. M., & Johnson, T. R. (2006). AMIA Annu Symp Proc, 739-743. PubMed ID: 17238439
- Invited Talks** *Electronic Health Records: How to Achieve a Successful Task-Technology Fit.* (2 hours.) Annual meeting of the American Board of Veterinary Practitioners (ABVP), Austin, Texas, April 16, 2009.
- Pulpless Fiction: Myths & Truths on Going Paperless.* Annual meeting of the American Animal Hospital Association (AAHA), Phoenix, Arizona, March 27, 2009.
- Overview of Veterinary Informatics.* Research seminar at the University of Texas Health Science Center School of Health Information Sciences, April 7, 2004.
- Presentations** *Introduction to Computer System Usability for the Veterinary Practice.* (2 hours.) American Veterinary Medical Association annual meeting, New Orleans, Louisiana, July 21, 2008.
- An Overview of Veterinary Informatics.* American Veterinary Medical Association annual meeting, Washington, DC, July 2007.
- Design of a Computerized Database to Assist with Parasite Identification in the Clinical Practice.* American Veterinary Medical Association annual meeting, Washington, DC, July 2007.
- Improving the Usability of a Veterinary Parasitology Identification Key.* American Veterinary Medical Association annual meeting, Washington, DC, July 2007.
- Application of Cognitive Engineering Principles to the Redesign of a Dichotomous Identification Key for Parasitology.* American Medical Informatics Association Annual Symposium, Washington DC, November 13, 2006.
- Posters** *Design of a learning environment for veterinary parasitology life cycles.* Smith-Akin, KA, and Phelps, CP. Proceedings of the Advances in Teaching & Learning Day Regional Conference, Houston, Texas, 2006.
- Toward a veterinary informatics research agenda: an analysis of the PubMed-indexed literature.* Smith-Akin, KA; Bearden, CF; Pittenger, ST; Bernstam, EV. The University of Texas Health Science Center at Houston 2005 Research Day Graduate and Postgraduate Research Forum, November, 2005.
- Assessing the adequacy of SNOMED-CT for medical records from veterinary private practices.* Smith, KA; Mourning, T.; Johnson, TR. The University of Texas Health Science Center at Houston 2004 Research Day Graduate and Postgraduate Research Forum, November 19, 2004.
- Improving the display of laboratory, physiological, and medication data.* Smith, KA; Shelton, DM; and Blakely, R. The University of Texas Health Science Center at Houston 2003 Research Day Graduate and Postgraduate Research Forum, November 14, 2003.
- Panels** *Making Electronic Record Transitions Smarter, Not Harder.* Panel moderator. Annual meeting of the American Animal Hospital Association (AAHA), Phoenix, Arizona, March 27, 2009.
- Workshops** *How to Build Interactive Online Exercises with a Shoestring Budget and Without a Geek to Help You.* Proceedings of the Advances in Teaching & Learning Day Regional Conference, Houston, Texas, 2006.