

## **CURRICULUM VITAE**

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

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Citizenship: United States

#### **Education**

2010	<b>PhD</b>	(Anticipated) Health Informatics; The University of Texas Health Science Center at Houston
2005	<b>MS</b>	Health Informatics; The University of Texas Health Science Center at Houston
1983	<b>MT</b>	St. Luke's Episcopal Hospital; Texas Medical Center, Houston, Texas
1981	<b>BS</b>	Microbiology; Eastern Kentucky University

#### **Professional Certifications**

2009	<b>CPHIMS</b>	Health Information Management Systems Society. Status: current.
1983	<b>MT(ASCP)</b>	American Society for Clinical Pathology. Status: current.

#### **Professional Experience**

2006, 2008-2009	<b>Graduate Teaching Assistant</b> , The University of Texas Health Science Center at Houston School of Health Information Sciences. Courses: Health Information Technology for Patient Safety and Quality; Interface Design; Project Management
2003-2005	<b>Technical Writer</b> , G. E. Medical Systems, Triple G laboratory information systems division, Markham, Ontario
2000-2003	<b>Business Process Analyst / Project Manager</b> , The University of Texas M. D. Anderson Cancer Center, Management Information Systems, Anatomic Pathology computer system replacement project
1997-2000	<b>Manager</b> , Technical Publications, ADAC HealthCare Information Systems, Houston, Texas
1997	<b>Project Manager</b> , ADAC HealthCare Information Systems, Houston, Texas
1995-1997	<b>Client Services Analyst</b> , Community Health Computing, Houston, Texas
1990-1995	<b>Implementation Analyst</b> , Community Health Computing, Houston, Texas
1988-1990	<b>Laboratory Information System (LIS) Supervisor; Database Analyst</b> , St. Luke's Episcopal Hospital, Department of Pathology, Houston, Texas,
1985-1988	<b>Medical Technologist</b> , St. Luke's Episcopal Hospital, Department of Pathology, Clinical Chemistry, Houston, Texas
1983-1985	<b>Medical Technologist</b> , The University of Texas M. D. Anderson Cancer Center, Division of Veterinary Medicine and Surgery, Houston, Texas
1981-1983	<b>Veterinary Assistant</b> , Fondren South Animal Clinic, Houston, Texas
1975-1980	<b>Laboratory Assistant (volunteer)</b> , University of Kentucky Animal Disease Diagnostic Laboratory (now Breathitt Veterinary Center); necropsy, bacteriology, and brucellosis departments; Hopkinsville, Kentucky
1975-1980	<b>Veterinary Assistant (volunteer)</b> , Skyline Animal Clinic, Hopkinsville, Kentucky

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### Professional Societies

American Medical Informatics Association (AMIA), 2003-present  
American Society for Clinical Pathology (ASCP), 1983 – present  
Association for Veterinary Informatics (AVI), 2006-present  
Healthcare Information and Management Systems Society (HIMSS), 2009

### Publications

#### In Print

1. **Smith-Akin, K. A.**, McLane, S., Craig, T. M., & Johnson, T. R. (2006). Application of cognitive engineering principles to the redesign of a dichotomous identification key for parasitology. *AMIA Annual Symposium proceedings / AMIA Symposium*. AMIA Symposium, 739-43. PubMed ID: 17238439
2. **Smith-Akin, K.A.**, Bearden, C.F., Pittenger, S.T., & Bernstam, E.V. Toward a veterinary informatics research agenda: an analysis of the PubMed-indexed literature. *International Journal of Medical Informatics*. 2007 Apr;76(4):306-12. PubMed ID: 16569509.
3. Edmonson, S., **Smith-Akin, K.A.**, & Bernstam, E.V. Context, automated decision support, and clinical practice guidelines: Does the literature apply to the United States practice environment? *International Journal of Medical Informatics*. 2007 Jan;76(1):34-41. PubMed ID: 16524767

#### In Press

1. McLane, S., Wood, G., Engebretson, J., Esquivel, A., **Smith-Akin, K.**, Zhang, J., Turley, J.P. Concept analysis of cognitive artifacts. *Advances in Nursing Science*. In press. 2009.

### Presentations

#### Invited Talks

1. 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.
2. Pulpless Fiction: Myths & Truths on Going Paperless. Annual meeting of the American Animal Hospital Association (AAHA), Phoenix, Arizona, March 27, 2009.
3. Overview of Veterinary Informatics. The University of Texas Health Science Center School of Health Information Sciences research seminar. April 7, 2004.

#### Conference Presentations

1. Smith-Akin, K.A. (2008). *Introduction to Computer System Usability for the Veterinary Practice*. Presented at the American Veterinary Medical Association annual meeting, New Orleans, LA, July 21, 2008.
2. Smith-Akin, K.A. (2007). *An Overview of Veterinary Informatics*. Presented at the American Veterinary Medical Association annual meeting, Washington DC, July 15, 2007.
3. Smith-Akin, K.A. (2007). *Design of a Computerized Database to Assist with Parasite Identification in the Clinical Practice*. Presented at the American Veterinary Medical Association annual meeting, Washington DC, July 15, 2007.
4. Smith-Akin, K.A., Craig, T.M., Johnson, T.R. (2007). *Improving the Usability of a Veterinary Parasitology Identification Key*. Presented at the American Veterinary Medical Association annual meeting, Washington DC, July 15, 2007.

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5. Smith-Akin, K.A.; McLane, S., Craig, T.M., Johnson, T.R. *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**

1. 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.
2. 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.
3. 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.
4. 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**

1. Making Electronic Record Transitions Smarter, Not Harder. Panel moderator. Annual meeting of the American Animal Hospital Association (AAHA), Phoenix, Arizona, March 27, 2009.

#### **Workshops**

1. 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.

### **Administrative Service**

#### **School and Department Level**

1. Curriculum Committee, Representative for masters' students; 2003-2005
2. Curriculum Committee, Representative for doctoral students; 2005-2007
3. Admissions Committee, Representative for doctoral students; 2005-2007

#### **Community Level**

1. *Veterinary informatics and the importance of veterinary information to human health*. Presentation to medical students from University of Monterey Medical School, June 30, 2006.
2. *What is medical informatics?* Presentation for CHASE Health Career Exploration Day for high school students, April 1, 2005.
3. *What is medical informatics?* Presentation to Girl Scout Troop 156, June 7, 2005.

#### **Professional Level**

1. Program Coordinator, Informatics/Computer Track for 2010 American Veterinary Medical Association Annual Meeting, 2009.
2. Judge, Advances in Teaching and Learning Regional Conference, October 9, 2008, Houston, Texas.

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**Awards and Honors**

- 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
- 2004      **Recipient**  
Second place prize, for student poster competition,  
The University of Texas Health Science Center at Houston Research Day Graduate and Postgraduate Research Forum.
- 2004      **Awardee**  
Premier Choice award  
GE Medical Systems, for Master File training manual
- 2003      **Awardee**  
Premiere Choice award  
GE Medical Systems, for Transfusion Medicine documentation
- 2003      **Awardee**  
Premiere Choice award  
GE Medical Systems, for Transfusion Medicine 510(K) work
- 1996      **Awardee**  
Power of One award  
ADAC HealthCare Information Systems, Malcolm Baldrige National Quality Award Winning Company
- 1993      **Recipient**  
Letter of Commendation  
From Mercy and Unity Hospitals of Minnesota, for implementation of anatomic pathology software
- 1991      **Recipient**  
Letter of Commendation  
From The Mercy Hospital of Pittsburgh, for implementation of anatomic pathology software
- 1988      **Awardee**  
Teacher of the Year award  
St. Luke's Episcopal Hospital Medical Technology Class, 1987-1988
- 1983      **Winner**  
Texas State Champion  
Medical Technology Student Bowl competition (team captain)

**Grants**

1. Texas Veterinary Medical Foundation. Research: Barriers to implementation of electronic medical records in private veterinary practices. Amount: \$2,200. Awarded November 2004.
2. Veterinary Information Network. Research: Barriers to implementation of electronic medical records in private veterinary practices. Amount: \$3,200. Awarded September 2005.