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University of San Francisco  
School of Nursing  
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## **Curriculum Vitae**

### **Education**

Distance Education Certificate Program, University of Wisconsin-Madison  
December, 2005

Doctorate, Education: University of San Francisco, School of Education  
Graduate research under the direction of Dr. Mathew Mitchell  
December 13, 2002

Post-Master's Nursing Informatics Certificate, Duquesne University,  
Pittsburgh, Pennsylvania, August, 2000

Master of Science, Nursing Education, San Jose State University, San  
Jose, California, May 23, 1997

Bachelor of Science, Nursing, Seton Hall University, South Orange, New  
Jersey, May 13, 1978

California Board of Registered Nursing License: 387637 (*active, 06-30-09*)

California Public Health Nurse Certificate

Gerontological Nurse Certificate

Associate of Arts, Science, Pasadena City College, Pasadena, California  
June 1975

### **Professional Service and Societies**

American Medical Informatics Association, 2005 - present

American Nursing Informatics Association, 2000 - present

American Nursing Informatics Association, Membership Chairperson, 2004 - 2007

Association for the Advancement of Computing in Education, 2004 – present

BioMed Central Medical Education Journal, Reviewer, 2006-present

Capital Area Roundtable on Informatics in Nursing (CARING), 2004 – 2007

Educause, Transforming Education Through Information Technologies, 2004-2007

European Federation for Medical Informatics, Peer Reviewer of Conference Submissions, October 2007

IASTED's Computer and Advanced Technology in Education (CATE), Session Chair, August 2005

International Medical Informatics Association (IMIA) Web 2.0 Exploratory Task Force – member 2007-present

International Association of Science and Technology for Development (IASTED), 2005 – 2008

Journal of Asynchronous Learning, Editorial Board Member, 2006-present

Journal of Nursing Education, Editorial Board Member, 2005-present

Lippincott Williams & Wilkins, Contributor and Author of the Foreword for the book: *Straight A's: Pathophysiology* (2005)

Phi Delta Kappa International, 2000 - present

Sigma Theta Tau International, Nursing Honor Society, 1978 - present

Dual member: Alpha and Beta Gamma Chapters

Beta Gamma Chapter: Treasurer, 2005 - 2007

*2005 Saba Leadership in Nursing Informatics Award*: Selection committee member, 2005 - 2006

Nominating Committee Chairperson, Alpha Gamma Chapter, 1997



University Medical Center, Senior Level)

May 1999 - 2000: El Camino Surgery Center, Mountain View, California  
Clinical Nurse II, (On-call status) Surgical perioperative

Sept. 1997 - 1998: San Jose State University, San Jose, California  
Part-time faculty member      Lecturer/Clinical Nursing  
Instructor

Sept. 1993 - 1998: De Anza Community College, Cupertino, California  
Part-time faculty member      Lecturer/Clinical Nursing  
Instructor

Sept. 1996 - Jan. 1997: San Jose State University, San Jose, California  
Graduate Assistant      NURS 104 Health Assessment

Sept. 1996 - Jan. 1997: AIDS Community Research Consortium, Redwood City, California

Advance Practice Internship      Clinical Research Trials/ Education  
Developed Educational Tool for Physicians

Sept. 1989 - Sept. 1996: El Camino Hospital, Mountain View, California

Clinical Nurse II      Responsible for the nursing care of clients with multisystem disease processes; supervision of undergraduate nursing students, Licensed Vocational Nurses, and Certified Nursing Assistants. Clinical resource nurse for intravenous therapy.

August 1991 - 1994: El Camino Surgery Center, Mountain View, California

Clinical Nurse II      Perioperative, surgical  
Safety Committee, Chair,  
1991-1992

Sept. 1990 - Dec. 1990: Research Assistant to Kay Mills, R.N., MSN

Post-partum depression research

Sept. 1988 - Sept. 1990: Las Lomas Elementary School, Atherton, California

Volunteer position as school nurse

Sept. 1980 - June 1981: Community Nursing Service of Montclair, New Jersey

Public Health Nurse

Responsible for patient physical assessment, nursing care plans, supervision of Home Health Aids, patient education (nutrition and medical care) and referrals to multidisciplinary teams. Public health supervision of well babies and their mothers.

Aug. 1978 - Aug. 1980: The Mountainside Hospital, Montclair, New Jersey

Staff Nurse 1

Responsible for pre and post surgical care and education of clients with multi-system disease processes. Supervision of Certified Nursing Assistants and development of patient care plans.

### **University of San Francisco, School of Nursing, Committees**

Tenure Line Search Committee Member, 2008

Faculty Development Committee, 2008-

Academic Standards Committee, 1999 - 2007

Academic Standards Committee, Chair, 2004 - 2007

Ad-Hoc Math Committee, 2000 – 2003

Clinical Nurse Leader Conceptual Framework Committee- Chair, 2004 - 2005

Collaborative School of Nursing/School of Education Doctoral Steering Committee, 2004 - present

Faculty Association School of Nursing (FASON), Vice Chair, 2003 – Sept 8, 2006

Interim Acting FASON Chair, August 21-September 8, 2006

Nurse Faculty Search Committee, 2003 - 2005

School of Nursing Disaster Plan Committee, Chair, 2005  
Neighborhood Emergency Response Team, Certificate, June, 2005

### **University of San Francisco, Committees**

Academic Excellence University Committee, 2006-2007

Institutional Review Board of the Protection of Human Subjects, 2003 - present

University Core Curriculum Committee, Math & Science, 2003 - present

### **Research and Teaching Interests**

I am a leader and innovator in the development, research, and use of technology in healthcare professional education and healthcare, in the United States and Internationally. I bring together expertise in nursing/healthcare and computer mediated education; I have completed pioneering work in the use of podcasting and interactive online games to reinforce learning for nursing students and healthcare professionals. I have collaborated internationally on using Web 2.0 technologies such as RSS, Wikis, Blogs, and Podcasts to promote communication, social networking, education and research among nursing professionals, medical staff, and students. Currently, my research interest is Health 2.0/3.0 and the use of video iPods in healthcare training and research. My research in Australia was aimed at investigating the potential use of virtual 3D healthcare learning environments. I am also dedicated to assisting doctoral students in completing their educational and research-related goals. I am passionate about teaching, collaborating, developing communities of practice, and establishing evidence-based outcomes for learning and healthcare technologies. I am curious and a life-long learner interested in discussing creative ideas about cognitive learning experiences that are interactive and dynamic.

### **Publications**

Burrell AR, Elliott D, Hansen, M. (2008). ICT in ICU: enhancing our community of practice using communication technologies and applications. Critical Care and Resuscitation (forthcoming)

- Hansen, M. & Erdley, S. YouTube and Other Web 2.0 Applications for Nursing Education. Online Journal of Nursing Informatics. Accepted and Forthcoming.
- Hansen, M. Versatile, Immersive, Creative and Dynamic Virtual 3-D Healthcare Learning Environments: A Review of the Literature (2008). Journal of Medical Internet Research. Vol 10, No 3.
- Hansen, M. (2008). Smart Card Technology and Healthcare Information: A Dynamic Duo. CIN: Computers, Informatics, Nursing. 26(5):254-257, September/October 2008.
- Hebda, T, Czar, C, [Hansen, M.: Chapter 16] (2009). Handbook of Informatics for Nurses and Healthcare Professionals. Fourth Edition. Prentice Hall.
- Murray PJ, Cabrer, M, Hansen M, Paton C, Erdley WS. Towards addressing the opportunities and challenges of Web 2.0 for health and informatics. In: IMIA Yearbook of Medical Informatics 2008. Methods Inf Med 2008; Suppl 1; 1-248
- Weaver, C., Kennedy, R., Erdley, W.S., Kim, J., Chang, P., Schrader, U., Maag (Hansen) M. (2007). Health Care in 2020. Studies in Health Technology and Informatics. Vol 128. Nursing Informatics 2020: Towards Defining Our Own Future- Proceedings of NI2006 Post Congress Conference.
- Maag, M. (2007). MERLOT delivered to your desktop. CIN: Computers, Informatics, Nursing. 25(1):20-22, January/February 2007.
- Maag, M. (2006). *Straight A's in pathophysiology*. Foreword. Philadelphia: Lippincott Williams & Wilkins.
- Maag, M. (2006). An interactive self-paced electrocardiography (ECG) electrode placement tutorial. *Computers, Informatics, Nursing*. 24(3),131-133.
- Maag, M., Buccheri, R., Capella, E., & Jennings, D. (2006). *A conceptual framework for the clinical nurse leader program*. Journal of Professional Nursing. (Nov-Dec).
- Maag, M. (2006). Nursing students' attitudes toward technology: A national study. *Nurse Educator*, 31(3), 112-118.
- Maag, M., & Fonteyn, M. (2006). Reinforcing fundamental knowledge while encouraging students' artistic expression. *Journal of Nursing Education*.45(2),96.

- Maag, M. (2006). Podcasting and mp3 players: Emerging education technologies. *Computers Informatics Nursing*, 24(1), 9-12.
- Maag, M. (2005). Arterial blood gas (ABG) interpretation: An online learning activity for healthcare professionals. In V. Uskov (Ed.), *Proceedings of the Eighth International Conference on Computers and Advanced Technology in Education*.
- Maag, M., & Fonteyn, M. (2005). Using a collaborative learning method to enhance mastery of pathophysiology content. *Journal of Nursing Education*, 44(9), 435-436.
- Maag, M. (2004). The potential use of *blogs* in nursing education. *Computers Informatics Nursing*, 23(1), 16-24.
- Maag, M. (2004). The effectiveness of an interactive multimedia-learning tool on nursing students' math knowledge and self-efficacy. *Computers Informatics Nursing*, 22(1), 26-33.
- Maag, M. (2002). The Effectiveness of an Interactive Multimedia Learning Explanation on Baccalaureate Nursing Students' Mathematical Achievement and Self-Efficacy. (Doctoral dissertation, University of San Francisco, 2002).
- Maag, M. (2001). An online ABG learning activity. *Computers in Nursing Plus*, 4(1), 1-5.
- Maag, M. (2001). Tell me your fortune. *Journal of Gerontological Nursing*, 27(10), 56.

### **National Presentations**

Invited Speaker for the 19th Summer Institute in Nursing Informatics to be held July 22 -25, 2009. Title: "The Use of Videos and Pods in Raising Nursing Students' Skills, Competencies and Self –Confidence Levels."

*Weaving a Dynamic Web: Web v. 2.0 Applications in Education, Social Networking and Virtual Conferencing*

American Medical Informatics Association  
 Washington DC  
 Panelist Presentation  
 November 13, 2006



*Ed-Cast: An International Podcasting Collaboration to Enhance Access and Knowledge*

22<sup>nd</sup> Annual Conference on Distance Teaching & Learning

University of Wisconsin-Madison

Co-Presenter of a Paper

Madison, Wisconsin August 4, 2006

*Blogging, RSS, and Podcasting: Interactive Online Teaching, Learning, and Virtual Conference Tools*

22<sup>nd</sup> Annual Conference on Distance Teaching & Learning

University of Wisconsin-Madison

Half-Day Workshop Presenter

Madison, Wisconsin

August 2, 2006

*Podcasting: A Learning Tool for the Nursing Nomad*

California State University, Fresno

20<sup>th</sup> Annual Nursing Research Symposium

Sigma Theta Tau International, Inc., Mu Nu Chapter

Presenter

Fresno, California

April 28, 2006

*An Education Podcast Repository-Building Teaching and Learning Synergies Among Higher Education Institutions*

2006 EDUCAUSE Western Regional Conference

Poster Presentation

San Francisco, CA

April 25, 2006

*M-Learning Technology: Mobile and Multimedia Modalities for All Learners*

Technology Day 2006: Teaching in the Digital Domain

Keynote speaker

University of Illinois

Springfield, Illinois, April 14, 2006

*Online Learning: Hyper Linking Higher Education to the Future*

Co-keynote speaker at the Seton Hall University Faculty Winter Institute Workshop

South Orange, New Jersey

January 5, 2006

*Podcasting: A New Medium for a New Voice in Healthcare Education*

Eleventh Sloan-C International Conference on Asynchronous

Learning Networks, *The Power of Online Learning: Mobilizing to Expand Community*  
Orlando, Florida  
November 17-19, 2005

*Attitudes Toward Technology: A National Study of Nursing Students*

University of Chicago, Illinois  
Optimizing Global Health Through Nursing Science  
Chicago, Illinois  
October 28-29, 2005

*The Effectiveness of an Interactive Multimedia Learning Explanation on Baccalaureate Nursing Students' Mathematical Achievement and Self-Efficacy*

Sigma Theta Tau International Honor Society  
Beta Gamma Research Night  
University of San Francisco, San Francisco, CA  
February 23, 2004

*Nursing Students' Attitudes Toward Technology: A National Study*

*A Research Proposal*  
School of Nursing, University of San Francisco, San Francisco, CA  
January 22, 2004

*The Effectiveness of an Interactive Multimedia Learning Explanation on Baccalaureate Nursing Students' Mathematical Achievement and Self-Efficacy*

American Nursing Informatics Association: 10<sup>th</sup> Annual Spring Conference, *Nursing in the Digital World: Optimizing Patient Care*  
Chicago, Illinois  
May 9-10, 2003

*The Creation of a Web-Based Learning Environment: Pathophysiology Without Walls*

American Nursing Informatics Association: 9<sup>th</sup> Annual Spring Conference, *Beyond the Buzzwords*  
San Diego, CA  
April 20-21, 2002

*The Creation of a Web-Based Learning Environment: Enhancing an Undergraduate Nursing Course*

Duquesne University, School of Nursing  
Pittsburgh, PA  
March 16, 2001

*Baccalaureate Nursing Students' Attitudes Toward Persons with AIDS*

Nursing Education in the 21<sup>st</sup> Century: *Building Community for Health and Healing*  
St. Xavier University, School of Nursing  
Chicago Institute for Nursing Education  
June 13-16, 2000

### **International Presentations**

Nursing Informatics 2009 Congress, Helsinki, Finland, June 27, 2009.  
“The Potential of 3-D Virtual Worlds in Professional Nursing Education”  
*accepted for the scientific programme as oral presentation.*

Nursing Informatics 2009 Congress, Helsinki, Finland, June 26, 2009.  
“How to Weave Web 2.0 Applications for Nursing Informatics and Healthcare Professional Education.”  
*accepted for the scientific programme as an all-day tutorial presentation.*

Nursing Informatics 2009 Congress, Helsinki, Finland, June 27, 2009.  
“What Relevance do Web 2.0 Applications Have for Nursing Informatics and Professional Development?”  
*accepted for the scientific programme as a panel session.*

Hansen, M. Versatile, Immersive, Creative and Dynamic Virtual 3-D Healthcare Learning Environments: A Review of the Literature. Medicine 2.0 Congress: Toronto, Canada, Sept. 4, 2008-10-16

*How to Weave Web 2.0 Applications for Professional Collaboration and Education (A Workshop)*

Association for the Advancement of Computing in Education  
ED-MEDIA 2008 Conference  
Vienna, Austria, June 30-July4, 2008 (accepted)

*Medical Interns' Clinical Skills Acquisition and Self-Confidence Levels: Enhanced via video iPods? (Brief Paper Presentation)*

Association for the Advancement of Computing in Education  
ED-MEDIA 2008 Conference  
Vienna, Austria, June 30-July4, 2008 (accepted)

*Simulated Learning for Clinical Skill Acquisition and Retention (second author, brief paper presentation)*

Association for the Advancement of Computing in Education

ED-MEDIA 2008 Conference

Vienna, Austria, June 30-July 4, 2008 (accepted)

*Create and Immerse Yourself in a Repertoire of Health Informatics 2.0 Applications: blogs, Podcasts, Wikis and Other Interactive and Engaging Social Technologies (tutorial)*

MIE2008: *eHealth beyond the horizon, Get IT there*

Goteborg, Sweden, May 25-28, 2008

*Medical Interns' Clinical Skills Acquisition and Self-Confidence Levels: Enhanced via video iPods? (poster presentation)*

MIE2008: *eHealth beyond the horizon, Get IT there*

Goteborg, Sweden, May 25-28, 2008

*Health Informatics 2.0/3.0 and Beyond: How Evocative Networks are Transforming Health and Education (panel presentation)*

MIE2008: *eHealth beyond the horizon, Get IT there*

Goteborg, Sweden, May 25-28, 2008

*IMIA and Web 2.0: exploring the potential for integration into international health informatics (panel presentation)*

MIE2008: *eHealth beyond the horizon, Get IT there*

Goteborg, Sweden, May 25-28, 2008 (forthcoming)

*Medical Interns' Clinical Skills Acquisition and Self-Confidence Levels: Enhanced via Video iPods?*

Think Globally, Act Locally

Health Informatics Society of Australia, NSW, 17<sup>th</sup> Annual Conference, Crown Plaza Hotel

Coogee, Sydney, Australia

March 14, 2008

*Online Virtual 3-D Healthcare Learning Environments*

Health Informatics Society of Australia, NSW

First Education Meeting, February 12, 2008

*Nursing Students' Attitudes Toward Technology: A National Study*

University of Technology, Sydney, School of Nursing

Research Café November 30, 2007

*Connections, Collaboration and Creativity: Exploring Web 2.0 Applications in Health Informatics and Professional Development*

Panel Presentation (Virtually)  
Med Info 2007  
Brisbane, Australia  
August 19, 2007

*Innovations in Health Education*

Invited Guest Speaker  
Health Informatics New Zealand (HINZ)  
Auckland, New Zealand  
December 8, 2006

*Innovations in Online Learning*

Invited Guest Speaker  
The University of Auckland  
School of Nursing  
Faculty of Medical and Health Sciences  
Learning Technology Unit  
Auckland, New Zealand  
December 11, 2006 Podcasted presentation at:  
<http://www.health.auckland.ac.nz/ltu/speakers.html>.

*How to Develop On-Demand and On-the-Go Ubiquitous Educational  
Multimedia for Connected Communities.*

All Day Workshop

*iPod, uPod?: An emerging mobile learning tool in nursing education and  
students' satisfaction.*

Full Paper

Ascilite 2006  
Sydney, Australia  
December 3-6, 2006

*Blogs, podcasts, wikis and other exotic beasts: Their use in nursing  
informatics education, professional development, and virtual conference  
participation.*

1. Panel Presentation

*Podcasting: An emerging technological in nursing education*

2. Poster Presentation

The 19<sup>th</sup> International Congress on Nursing Informatics  
Seoul, South Korea  
June 8-17, 2006

*Ed-Cast: An Education Podcast Repository*  
24<sup>th</sup> Annual International Computer and Technology Conference  
State of the Art of the Use of Technology  
Poster Presentation  
Toronto, Canada  
May 25-28, 2006

*Arterial blood gas (ABG) interpretation: An online learning activity for  
healthcare professionals*

The Eighth IASTED International Conference on Computers and  
Advanced Technology in Education (CATE, 2005)  
470-083 Studies on Advanced Teaching and Learning  
Oranjested, Aruba  
August 31, 2005

*The Potential Use of "Blogs" in Healthcare Professionals' Education.*

ED-MEDIA: World Conference on Educational Multimedia,  
Hypermedia & Telecommunications  
Interactive Learning Environments  
Brief paper: Project Opportunity  
Lugano, Switzerland  
June 23, 2004

*The Effects of Web-Based, Interactive, Formative Assessment Modules  
on Allied Health Students' Perceptions of Learning in Undergraduate  
Pathophysiology.*

ED-MEDIA: World Conference on Educational Multimedia,  
Hypermedia & Telecommunications  
Lugano, Switzerland  
June 24, 2004  
Teaching/Learning Strategies  
Poster/Demonstration

## **Grants**

**Video iPod Grant: University of San Francisco Faculty Development  
Grant, USF, Awarded January 2008**

University of Illinois Online, Planning and Development Grant for Creating  
an "Academic Podcast Repository," September, 2005

## **Awards**

Teacher Effectiveness Award, University of San Francisco, School of Nursing,  
April 2005

University Faculty Technology Award, University of San Francisco, May, 2004

Sigma Theta Tau, Research Grant Award, March, 2004

Distance Education Program Scholarship: University of Wisconsin-  
Madison, December 2003

Sigma Theta Tau, Research Grant Award, March 2002

Teacher Effectiveness Award, University of San Francisco, School of Nursing,  
April 2001

Third Place Award, Student Technology Showcase, Duquesne University

Awarded in recognition of excellence in the use of technology in education. March 16, 2001

Professional Nurse Traineeship Grant Award from the U. S. Department of Health and Human Services, 1996 and 1997

Sigma Theta Tau, Scholarship Award, 1997

Employee Service Award, El Camino Healthcare, 1995

### **Volunteer Work**

Faculty Advisor, University of San Francisco, Student Red Cross Organization, 2005 - present

Healthcare Informatics Conference, Georgetown University  
November 4-7, 2004

American Nursing Informatics Association, Membership Chair, 2004 – 2007

Asthma Walk, San Francisco, California, 2005, Fundraiser

Berkeley University, "Images of Nursing," 2005, Guest Speaker

Johns Hopkins University Center for Talented Youth, 2004, Panelist

Neighborhood Emergency Response Team (NERT), 2005-present

North Bay Network for Healthcare Education, 2006, Nurse Educator  
Consultant

Presbyterian Church, Sausalito, California, 2006-present, *Poetry Night*  
Presenter and Member of Church Choir

The National Council of State Boards of Nursing, Inc.  
NCLEX Item Development Panel Member  
June, 2001

Flu Vaccine Clinic  
St. Mary' Hospital  
San Francisco, CA  
December 2000