

Curriculum Vitae

Kwan Yi, PhD

School of Library and Information Science
University of Kentucky
Little Fine Arts Library #331
Lexington, Kentucky 40506-0039
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CURRENT POSITION:

Assistant Professor, School of Library and Information Science, University of Kentucky,
Lexington, Kentucky, USA

EDUCATION :

McGill University, Ph.D. (Library and Information Studies),
Dissertation Committee Chair: Dr. Jamshid Beheshti
Dissertation Title: A Hidden Markov Model for Automatic Digital Document
Classification
McGill University, M.Sc. (Computer Science)
Thesis Committee Chair: Dr. Renato De Mori
Thesis Title: Speech Understanding System using Classification Trees
University of Illinois at Urbana-Champaign, M.Sc. (Applied Mathematics)
Korea University, B.S. (Computer Science)
Korea University, B.A. (Mass Communications)

PROFESSIONAL APPOINTMENTS :

Assistant Professor, School of Library and Information Science, University of Kentucky,
2004-Present
Information Resources Engineer, Dept. of Psychology, McGill University, 1998-1999
Research Programmer, Centre de Recherche Informatique de Montréal (CRIM),
Montreal, 1996-1997
Research Associate, Dept. of Energy, US Army Construction Engineering Research
Laboratory, Champaign, Illinois, 1992-1994
Application Programmer, Dept. of Planning, Korea Securities Dealers Association,
Republic of Korea, 1988-1990

RESEARCH GRANTS:

Funded:
Research Support Grant, University of Kentucky
Period: June 2006 – May 2006
Agency: University of Kentucky

Title: A model for mapping the Library of Congress Classification and Dewey Decimal Classification schemes.

Funded amount: \$17,950

Role: Principal Investigator (with Dr. Lois M. Chan, University of Kentucky).

Not funded:

OCLC/ALISE Library and Information Science Research Grant Competition

Period: January 2007 – December 2007

Agency: OCLC/ALISE

Title: Developing a Concept-based Vector Space Model for Mapping between Library and Congress Classification and Dewey Decimal Classification.

Requested funding: \$15,000

Role: Principal Investigator (with Dr. Lois M. Chan, University of Kentucky).

FELLOWSHIP & SCHOLARSHIP:

- University of Kentucky, Regular Summer Faculty Research Fellowship. Project: Building an automated text classification system for digital documents: An experimental study of feature selection on benchmark data for hidden Markov models. \$6,000, May 2005-August 2005.
- Government of Quebec, Canada, Tuition Waiver Fellowship. CAD \$7,000, 1995
- Government of Quebec, Canada, Tuition Waiver Fellowship. CAD \$7,000, 1994
- Korea University, Scholarship. Kr500,000, 1983.

COURSES TAUGHT:

- Information System and Design: Fall 2001
- Information Storage and Retrieval: Fall 2004 – Summer 2008
- Information Technology: Spring 2005 -
- Information Systems Design: Fall 2005 -
- Information Representation and Access: Fall 2008 -

PUBLICATIONS: BOOK

Yi, Kwan. (2008, Forthcoming). Hidden Markov Model for Text Classification using Library of Congress Classification: Framework, Design, and Application. Saarbrücken, Germany: VDM - Verlag Dr. Müller.

PUBLICATIONS: REFEREED ARTICLES

Yi, Kwan, and Lois M. Chan. (Under review for journal publication). Linking Folksonomy to Library of Congress Subject Headings: An Exploratory Study.

Yi, Kwan. (Under review for conference publication). Mining a Web2.0 service for the Discovery of Semantically Similar Terms: A Case Study with Del.icio.us.

- Yi, Kwan**, and Jamshid Beheshti. (2008, Forthcoming). A Hidden Markov Model-based text classification of medical documents. *Journal of Information Science*.
- Yi, Kwan**. (2008). "A Conceptual Framework for Improving Information Retrieval in Folksonomy using Library of Congress Subject Headings," To appear in the *Proceedings of the American Society for Information Science and Technology*, 24-29 October 2008, Columbus, OH, USA (short research paper).
- Yi, Kwan**, and Lois Mai Chan. (2008). "A Visualization Software Tool for Library of Congress Subject Headings," In the *Proceedings of the 10th International Conference of International Society for Knowledge Organization*, 5-8 August 2008, Montreal, Quebec, Canada. Eds. Arsenaault, C., and Tennis, J. T. (Advances in knowledge organization, Vol. 11) Würzburg, Germany: Ergon, pp. 170-176.
- Yi, Kwan**, and Tao Jin. (2008). Hyperlink Analysis for the Visibility of Canadian LIS School Websites. *Online Information Review*, 32 (3), pp. 325-347.
- Yi, Kwan**. (2007). Automated Text Classification Using Library Classification Schemes: Trends, Issues, and Challenges. *International Cataloguing and Bibliographic Control Journal*, 36 (4), pp. 78-82.
- Yi, Kwan**. (2007). "A Pilot Study of Enhancing Subject Discovery of Textual Web Resources," In the *Proceedings of the 35th Conference of the Canadian Association for Information Science (CAIS)*, 10-12 May 2007, Montreal, Quebec, Canada.
- Yi, Kwan**, Jamshid Beheshti, Charles Cole, John Leide, and Andrew Large. (2006). User Search Behavior of Domain-Specific Information Retrieval systems: An Analysis of the Query Logs From PsycINFO and ABC-Clio's Historical Abstracts/America: History and Life. *Journal of the American Society for Information Science and Technology*, 57 (9), pp. 1208-1220.
- Yi, Kwan**. (2006). "Challenges in Automated Classification using Library Classification Schemes," In the *Proceedings of the 72nd General Conference of International Federation of Library Associations and Institutions (IFLA)*, 20-24 August 2006, Seoul, Rep. of Korea
- Yi, Kwan**, and Jamshid Beheshti. (2006). "Boosting for Text Classification with Subject Headings," In the *Proceedings of the 34th Conference of the Canadian Association for Information Science (CAIS)*, 1-3 June 2006, Toronto, Ontario, Canada. Available at: http://www.caais-acsi.ca/proceedings/2006/yi_2006.pdf
- Jin, Tao, and **Kwan Yi**. (2005). "Who Links to LIS School Sites? Examining the Hyperlinks to Seven Canadian LIS Schools' Websites: A Comparative Content Analysis," In the *Proceeding of the 33rd Conference of the Canadian Association for Information Science (CAIS)*, 2-4 June 2005, London, Ontario, Canada.

Yi, Kwan, and Jamshid Beheshti. (2004). "A Comparative Study on Feature Selection of Text Categorization for Hidden Markov Models," In the *Proceedings of the 32nd Conference of the Canadian Association for Information Science (CAIS)*, 3-5 June 2004, Winnipeg, Manitoba, Canada.

Yi, Kwan, and Jamshid Beheshti. (2003). "Automatic Classification of Digital Documents based on Hidden Markov Models," In the *Proceedings of the 31st Conference of the Canadian Association for Information Science (CAIS)*, 30 May-1 June 2003, Halifax, Nova Scotia, Canada. Eds. Peekhaus, W. C., and Spiteri, L. F., 2003, pp. 275-287.

PUBLICATIONS: NONREFEREED

Sohn, C. W., **Kwan Yi**, N. Herring and B. Boughton. "*The Computerized Refrigerant Management System*" USACERL ADP Report 95/28 August 95. US Army Corps of Engineers Construction Engineer Research Laboratory

UNPUBLISHED MONOGRAPHS

Yi, Kwan. January 2005. "A Hidden Markov Model for Automatic Digital Document Classification", Ph.D. Dissertation, School of Library and Information Studies, McGill University.

Yi, Kwan. September 1997. "Speech Understanding System using Classification Trees", Master's Thesis, Computer Science, McGill University.

PRESENTATIONS: PEER-REVIEWED

Yi, Kwan, and Lois Mai Chan. (2008). "A Visualization Software Tool for Library of Congress Subject Headings," In the *Proceedings of the 10th International Conference of International Society for Knowledge Organization*, 5-8 August 2008, Montreal, Quebec, Canada.

Yi, Kwan. (2007). "A Pilot Study of Enhancing Subject Discovery of Textual Web Resources," In the *35th Conference of the Canadian Association for Information Science (CAIS)*, 10-12 May 2007, Montreal, Quebec, Canada.

Yi, Kwan. (2006). "Challenges in Automated Classification using Library Classification Schemes," In the *72nd General Conference of International Federation of Library Associations and Institutions (IFLA)*, 20-24 August 2006, Seoul, Rep. of Korea.

Yi, Kwan, and Jamshid Beheshti. (2006). "Boosting for Text Classification with Subject Headings," In the *34th Conference of the Canadian Association for Information Science (CAIS)*, 1-3 June 2006, Toronto, Ontario, Canada.

Jin, Tao, and **Kwan Yi**. (2005). "Who Links to LIS School Sites? Examining the Hyperlinks to Seven Canadian LIS Schools' Websites: A Comparative Content

Analysis,” In the 33rd Conference of the Canadian Association for Information Science (CAIS), 2-4 June 2005, London, Ontario, Canada.

Yi, Kwan, and Jamshid Beheshti. (2004). “A Comparative Study on Feature Selection of Text Categorization for Hidden Markov Models,” In the 32nd Conference of the Canadian Association for Information Science (CAIS), 3-5 June 2004, Winnipeg, Manitoba, Canada.

Jin, Tao, and **Kwan Yi**. (2004). “An Empirical Analysis of the Hyperlinks in Library and Information School’s Web Sites.” In the Association of Library and Information Science Education (ALISE) 2004 Annual Conference, 6-9 January 2004, San Diego, CA.

Yi, Kwan. (2002). “An Automatic Document Classification Model for Digital Library: a Preliminary Research.” In the 2nd Annual McGill Education Graduate Student Society (EGSS) Conference, 8-9 November 2002, Montreal, Quebec, Canada.

PRESENTATIONS: FORUM

Yi, Kwan. “A Text Categorization Model for Digital Documents Using Hidden Markov Model.” In the poster forum of the Concordia 2nd Annual Poster Forum, 9 May 2003, Montreal, Quebec, Canada.

PRESENTATIONS: POSTERS

Yi, Kwan. (2008). “A Conceptual Framework for Improving Information Retrieval in Folksonomy using Library of Congress Subject Headings,” In the Annual Meeting of the American Society for Information Science and Technology, 24-29 October 2008, Columbus, OH, USA.

Yi, Kwan. “A Hidden Markov Model for Text Categorization.” In the poster session of the Association of Library and Information Science Education (ALISE) 2004 Annual Conference, 6-9 January 2004, San Diego, CA, United States.

Yi, Kwan. “Automatic Text Categorization using Hidden Markov Model.” In the Graduate Poster Session at McGill Homecoming 2003, 16-19 October 2003, Montreal, QC, Canada.

Yi, Kwan. “An Automatic Classification Model for Digital Documents based on Hidden Markov Models.” In the poster session of the Association of Library and Information Science Education (ALISE) 2003 Annual Conference, 21-24 January 2003, Philadelphia, PA, United States.

PRESENTATIONS: GUEST LECTURES

Yi, Kwan. "Speech Recognition Systems and Its Applications to Information Retrieval." Graduate School of Library and Information Studies, McGill University. Montreal, Quebec, Canada. November, 2001.

Yi, Kwan. "Speech Recognition & Understanding Systems." Graduate School of Library and Information Studies, McGill University. Montreal, Quebec, Canada. November, 2000.

PRESENTATIONS: OTHERS

Yi, Kwan. "An Automatic Classification System Using Hidden Markov Model." In the School of Library and Information Science at the University of Kentucky, Lexington, Kentucky. February 2, 2004.

PROFESSIONAL AFFILIATIONS:

- CAIS (Canadian Association for Information Science), member, 2003-
- ASIST (American Society for Information Science and Technology), member, 2005-
- ALISE (Association for Library and Information Science Education), member, 2003-2004, 2007-2008

SERVICES:

University:

Outside Examiner of PhD dissertation, University of Kentucky, 2005, 2006, 2007, 2008

College:

Faculty Council, College of Communications and Information Studies, 2006-2007, 2007-2008

School:

Director Search Committee, School of Library and Information Science, 2007

Admission committee, School of Library and Information Science, 2007-2008

Exam committee, School of Library and Information Science, Fall 2007

Planning committee, School of Library and Information Science, 2006-2007

Curriculum committee, School of Library and Information Science, 2004-2005; 2006-2007

Executive committee, School of Library and Information Science, 2005-2006, 2007-2008

REFERENCE:

Available upon request.