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Degrees:

Ph.D. (Curriculum Development: Mathematics Education), Wayne State University, 1981
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M.Ed. (Secondary Mathematics Education), Wayne State University, 1974
B.A. (Mathematics, English), Western Michigan University 1971

PROFESSIONAL WORK EXPERIENCE:

2010-present: Dean, School of Information and Library Science, University of North Carolina at Chapel Hill
1998-present: Cary C. Boshamer Professor, School of Information and Library Science, University of North Carolina at Chapel Hill
1995-1998: Professor, College of Library and Information Services, University of Maryland
Member of Human-Computer Interaction Laboratory, Center for Automation Research 1990-1998
Director, Digital Library Research Group, University of Maryland 1996-1998
1989-1995: Associate Professor with tenure, College of Library and Information Services, University of Maryland
1983-89 Assistant Professor, College of Library and Information Services, University of Maryland
1982-83 Assistant Professor, Department of Instructional Technology, Wayne State University
1981-82 Research Associate, Detroit Center for Professional Growth and Development, Wayne State University
1978-81 Research Assistant, Detroit Center for Professional Growth and Development, Wayne State University
1971-78 Teacher, Mathematics, East Detroit Public Schools, East Detroit, Michigan

Other Work Experience:

1997-spring: Visiting Professor, School of Information Sciences, University of Pittsburgh
1993-summer: Summer Institute Professor, Syracuse University, School of Information Studies
1992-summer: Adjunct Associate Professor, George Washington University, Educational Technology Leadership Program. Distance Education Course in cooperation with Mind Extension University (Cable TV)
1989-90 Expert, Interactive Systems Program, Division of Information Robotics and Intelligent Systems, National Science Foundation
1985-96 Consultant to: New York Public Library; National Library of Medicine; TextWise Inc.; Electronic Learning Facilitators; AJ Seminars; Library of Congress; Congressional Information Service; Cognetics, Inc.; Prince George's County Public Schools; Federal Intelligent Document Understanding Laboratory; Georgetown University; Bureau of Labor Statistics; The World Bank Group; Microsoft
1974-78 Teacher, Mathematics, computer programming, East Detroit Community Education
1974-78 Teacher, Mathematics, computer programming, Halfway II Alternative High School, East Detroit Public Schools
1974-75 Designer, facilitator, computer assisted arithmetic, grades K-8 summer program, East Detroit Public Schools

Bibliometrics (Google Scholar): April 2020 citations 15792; h-index 52; i110-index 137

PUBLICATIONS:
Books:

Marchionini, G. (2010*). Information concepts: From books to cyberspace identities*. Morgan and Claypool Publishers. ISBN: 9781598299625. DOI 10.2200/S00306ED1V01Y201010ICR016

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Refereed Conference Papers

Marchionini, G. (2014). Libraries and literacies: from I to we. Libraries in the Digital Age (LIDA) Proceedings

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Capra, R., Marchionini, G., Velasco-Martin, J., and Muller, K. 2010. Tools-at-hand and learning in multi-session, collaborative search. In Proceedings of the 28th international Conference on Human Factors in Computing Systems (Atlanta, Georgia, USA, April 10 - 15, 2010). CHI '10. ACM, New York, NY, 951-960

Portnoy, F. and Marchionini, G. 2010. Modeling the effect of habituation on banner blindness as a function of repetition and search type: gap analysis for future work. In Proceedings of the 28th of the international Conference Extended Abstracts on Human Factors in Computing Systems (Atlanta, Georgia, USA, April 10 - 15, 2010). CHI EA '10. ACM, New York, NY, 4297-4302.

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International Invited Talks:

HCI and AI: Keeping the Human in Control. Keynote at the ASIS&T Asia-Pacific Regional Conference December 12-13, 2020, Wuhan University (Virtual).

Preparing for Careers post PhD. Doctoral Consortium at the 2020 iSchool Conference. Boras, Sweden. April 23, 2020 (via Zoom).

Socio-Technical Challenges and Impacts of Data. 41st iSpeaker Distinguished Lecture. Sungkyunkwan University (SKKU), Seoul, South Korea. November 28, 2018.

iSchools as Crucible: Melding public good, technical efficiency, and knowledge. International Council on Knowledge Management (ICKM 2018), Vancouver, BC Canada. November 9, 2018.

Information Science Roles in Data Science. FEIS - International Symposium on the Future of Education in Information Science, Pisa, Italy. September 11, 2018.

Data and Information Social Impact. Association of Data, Information, and Society. Nanjing University, Nanjing, China, July 4-6, 2018.

Open Access Data Publishing Challenges and Limitations. The International Symposium on Open Data and Innovation: Vision and Practice. National Science Library, Chinese Academy of Sciences, Beijing.   July 14, 2017.

Information Seeking and Learning. Tsurumi University, Yokohama-City, Japan. January 21, 2017.

Data Science and Information Science: A Human-Centric View. NII National Institute of Informatics, Tokyo, Japan. January , 19, 2017

Information Science 2020. Keynote for the Fourth International Symposium and Workshop on Library and Information Science in the Digital Age. Wuhan University, October 26, 2015.

Information Science Practice and Education. Invited talk: Pontifica Universidad Catholica De Chile, Santiago, Chile, August 12, 2015.

Information Services in the Digital Age. Keynote for the International Conference on Information Acquisition

and Knowledge Services. Nanjing University, October 10, 2014.

Libraries and Literacies: From I to We. Keynote for the Libraries in the Digital Age Conference, Zadar, Croatia, June 16, 2014.

Research Data Stewardship: Ensuring Data Quality to Enable New Science in i-Schools. School of Information Management, Wuhan University, April 15, 2013.

21st Century Scholarly Publishing Challenges: Journal of Information Science Theory and Practice. Korea Institute of Science and Technology Information (KISTI), October 15, 2012.

The Ranganathan Lectures: People, Cultures, and 21st Century Libraries. Bangalore, India. February 17-19, 2011.

Toward Participatory Digital Libraries. Keynote for the International Conference on Digital Libraries and Knowledge Organization, Gurgaon, India. February 14, 2011.

Toward Participatory Digital Libraries. Invited talk for the International Symposium on the Transformation and Innovation of Library and Information Science, Taipei, Taiwan. November 16, 2010.

Digital Libraries as Phenotypes or Digital Libraries. Keynote for European Conference on Digital Libraries. Corfu, Greece. September 29, 2009.

Exploratory Search: Getting Beyond Known Item Retrieval. Singapore Management University, Singapore, July 17, 2008

Context for Information Retrieval: Toward Human-Computer Information Retrieval. Workshop on Web Information Retrieval. Santiago, Chile, August 12, 2005

Leveraging Context for Information Retrieval: A Matter of Control. Advanced Multimedia Retrieval 2005 Glasgow, UK, July 28, 2005.

INFORUM Conference Keynote Address: User Interfaces for Information Retrieval on the WWW, INFORUM Conference 05, Prague, Czech Republic, May 24, 2005

Invited Lecture: Practice and Theory in Digital Libraries: The Case of Open Video, Libraries in the Digital Age Conference 05, Dubrovnik, Croatia, May 30, 2005.

Department of Computer Science Distinguished Lecture Series: Human-Computer Information Retrieval: Finding and Understanding What We Need. University of Toronto, September 30, 2004

Keynote Address: From Information to Information Interaction. European Conference on Information Retrieval (ECIR 2004). April 5, 2004 Sunderland, UK.

Keynote Lecture: The Open Video Digital Library: Balancing Theory and Practice. IV Journadas de Bibliotecas Digitales (JBDI 2003). November 10, 2003. Alicante, Spain

Introductory Lecture: Introduction to Digital Libraries. DELOS International Summer School on Digital Library Technologies. July 8, 2002. Pisa, Italy

Invited Speaker: Dynamic interfaces for digital libraries: The Open Video Project. The 4th International Conference on Asian Digital Libraries. Bangalore, India, December 12, 2001.

Keynote Speaker: Augmenting Library Services: The Digital Library as Sharium. NetSpeed 2000, Calgary, Alberta September 29, 2000.
Keynote Speaker: Digital library research and development challenges circa 2000. HCI and the Digital Library Research Institute, Toronto, Canada, October 1-2, 1999.

Invited Speaker: The user interface: Bridging human needs and system constraints in digital libraries. SPIRE/CRIWG, Cancun, Mexico, September 22-24.

Invited Speaker: Ubiquitous computing and communication: Living and working in the informated society. University of Fortaleza, Brazil, November 18, 1999.

Marchionini, G. Digital library research and development. Universidade Federal da Paraiba, August 12, 1997, Campina Grande, Brazil

Marchionini, G. Hypermedia and Learning. Paper given at the International Conference on Cognitive Systems, December 13-15, 1996, New Delhi, India

Marchionini, G. The costs of Educational Technology: A framework for assessing change. Paper presented at Educational Multimedia and Hypermedia 1995, Graz, Austria, June 20, 1995. (see p 33-38 of proceedings).

Marchionini, G. Hypermedia Learning: Results from the Perseus Experience. Lecture presented at the Fourth International Stein Conference, Philadelphia, October 19, 1993.

Marchionini, G. Information seeking in electronic environments: Implications for library and information science education. Lecture presented at the India International Centre, New Delhi, India, July 22, 1993.

Marchionini, G. The Perseus Project: Interactive Sources and Studies on Ancient Greece. Workshop presented at the GOLEM Workshop on Multimedia Systems in Education, Capri, Italy, June, 1991.

Marchionini, G. Role of Technology in the Generation and Communication of Scientific Knowledge. Workshop presented at Institute of Fundamental Studies, Kandy, Sri Lanka, January, 1991.

Marchionini, G. Computer Technology in Schools: Status and Trends. Workshop presented at Institute Aminuddin Baki, Kuala Lumpur, Malaysia, January, 1991.

Marchionini, G. User Needs, Problems and Opportunities. Workshop presented at Institute of Fundamental Studies, Kandy, Sri Lanka, January, 1990.

Marchionini, G. Panelist, Studies of User Needs and Behavior. First Toronto Conference on Database Users. Toronto, Canada, June 1988.

National and Local Invited Talks

Library Science, Information Science, and Data Science (LIDS): The Many-Featured Elephant in the Fable of iSchool Evolution. Invited Talk to Celebrate the 80th Anniversary of the University of North Texas Department of Information Science. November 8, 2019.

Challenges and Opportunities for Libraries and Librarians. EPA National Library Council Meeting. Research Triangle Park, NC. November 7, 2018.

SMART Series: The Role of Data Analytics in Revolutionizing the Energy Market. RTP Headquarters November 2, 2017.

Research Enterprise: The Noun and the Verb. Empirical Librarians Conference, NC A&T State University, Greensboro, NC. February 24, 2017.

Information Technology in Higher Education: Disruption or Transition? Envisioning the Digital University Symposium, Chapel Hill, NC November 21, 2014.

Human-Computer Information Retrieval: Gaps, Overloads, and Sensemaking. School of Informatics and Computing, Indiana University, Indianapolis, February 14, 2014.

Toward Information Seeking Support Systems. National Science Foundation. May 18, 2009.

Harvesting Context for Digital Video. School of Information. University of Texas, Austin. February 27,

2009.Understanding Human Information Interaction. Simmons College, Boston, September 15, 2008.
.
Digital Video: From Digital Libraries to Social Interaction The Mary Junck Research Colloquium Series, School of Journalism and Mass Communication, UNC-CH, April 17, 2008. See also Video Version

The Open Video Digital Library: The Challenge of Transition from Test Bed to Sustainable Library Texas A&M Digital Humanities Lecture Series, February 1, 2008

Beyond Basic Search University of Illinois Department of Computer Science CS Colloquium, September 10, 2007

Toward Personal Health Record Usability National Library of Medicine, Bethesda, June 13, 2007

Toward Multimedia Surrogation. LACASIS 2006 Contributions in Information Science & Technology Award Lecture. Los Angeles, January 11, 2007. (see YouTube Video version of this talk given at UNC).

Personal Health Record Usability. Informatics in Action Lecture Series. National Cancer Institute. March 2, 2006.

Toward Human-Computer Information Retrieval. Samuel Lazerow Memorial Lecture. The Information School, University of Washington. October 17, 2005

Human-Computer Information Retrieval. Microsoft Corporation, Redmond, Washington, October 14, 2005.

Toward Digital Government: The Case of Government Statistics. South Atlantic Region Conference
Special Libraries Association. Williamsburg, VA, September 29, 2005

Human-Computer Information Retrieval. Lecture at the Computer Science Artificial Intelligence Laboratory, MIT, Cambridge, MA. November 12, 2004.

2001 ISI Lazerow Lecture, Indiana University. Design Through Integration: A Grand Challenge in Information Science November 9, 2001.

Interfaces to support customized views and manipulation of statistical data. International Conference on Establishment Surveys, June 20, 2000, Buffalo, NY.
The Sharium: A distributed learning space. AAAS Annual meeting, February 18, 2000. Washington, DC

Expanding Library Services in the Digital Age: The Search for [Almost] Equilibrium Digital Library Federation Forum on Digital Library Practices. July 17-18, 1999, Washington, DC

Supporting Citizen Access to Statistical Data: WWW Interfaces for Tables. National Conference on Health Statistics. Aug. 2, 1999, Washington, DC

Agileview: Variable and Dynamic Information Interaction. ASIS '99. November 3, 1999. Washington, DC
Human-Computer Interfaces for Statistical Data. National Institute for Statistical Science Workshop on Statistics and Information Technology, November 11, 1999, RTP, NC

Video Surrogates to Aid Retrieval. pictureThis? July 28, 1999, NCSU.

Facilitating an Electronic Library of Learning Resources for Undergraduate Biology Educators. AAAS, March 4, 2000. Washington, DC

Interaction Design or Information Architecture? May 18, 2000, UCLA.

Toward Citizen Understanding and Use of Statistical Data. NSF Digital Government Workshop, May 17, 2000 Los Angeles.

The social practices of DLs: Can we build a Sharium? ACM DL 98, June 26, 1998. Pittsburgh, PA.

The Baltimore Learning Community: An Evolving Sharium, ASIS Annual Meeting October 26, 1998 Pittsburgh

Information Visualization Interfaces: The Alchemist's Workbench ASIS Annual Meeting October 28, 1998 Pittsburgh, PA

Human-Computer Interaction Trends: Implications for Digital Government National Research Council/CSTB Workshop: Research on IT for Federal Statistics February 9-10, 1999 Washington, DC

A Digital Library Overview. NSF Digital Libraries and Education Working Meeting
January 4-6, 1999 Washington, DC

Designing for End Users. Online World '98. Washington, DC October 14, 1998

Focusing on End Users. Workshop on Knowledge Management Opportunities at the U.S. Department of Labor. Washington, DC September 25, 1998.

Designing for the Unknown User: Consider Alternative Interfaces. Advanced Digital Libraries Conference, April 23, 1998, Santa Barbara, CA.

Digital Libraries and Digital Government: Challenges and Opportunities. National Agriculture Library, March 19, 1998, Beltsville, MD.

Statistical Information in Federal Websites: Supporting Information-Seeking Behavior. Washington Statistical Society, March 24, 1998, Washington, DC.

Who are our web customers and what do they really want? Association of American Publishers, Feb 9, 1998, Washington, DC

User centered views of statistical websites. FedWeb '97, October 30, 1997, Bethesda

Digital library research and development, Dupont Corp., Wilmington, August 25, 1997

Panelist: ASIS 1996 Annual Meeting: Browsing: Not lazy searching, October 23

Panelist: ASIS 1996 Annual Meeting: Reflections on our future, October 23

Workshop Leader: Designing Digital Library Evaluations, at the Allerton Digital Library Research Forum: Libraries, people, and change. October 27, 1996, Allerton, IL.

The roles of digital libraries in teaching and learning. Public lecture at University of North Carolina at Chapel Hill, Chapel Hill, Jan. 20, 1995.

Latest trends on interfaces for information seeking. Annual meeting of New England Chapter of ASIS and NENON, Cambridge, MA: Dec. 1, 1994.

Educational technology for the information age. Keynote address to Dept. of Energy Science Education Director's Meeting, Washington, DC. Dec. 12, 1994.

Comparison of WAIS retrieval to Boolean retrieval with aerospace data. Second Annual Catalog Interoperability/NASA Science Internet Workshop, Alexandria, April 13, 1994.

Bits and bytes of CD-ROM evaluation and selection. Maryland Library Association Technical Services Meeting, Columbia, April 5, 1994.

User Interface Issues for Network Use. Library of Congress Network Advisory Committee Network Content-- A Dialogue with Publishers, Bethesda, Dec. 14, 1993.

Panelist: Interfaces to support browsing. Annual meeting of the American Society for Information Science, Columbus, Oct. 24-28, 1993.

Keynote Speaker: Evaluating interfaces: OPACs and other public access systems. Post-Conference Research

Workshop of the 16th International Conference on research and development in information retrieval, Pittsburgh, July 1, 1993.

Performance-based evaluation methods for hypertext. Invited Lecture Series on Hypermedia. National Institute for Standards and Technology, Gaithersburg, May 15, 1992.

Developing Infrastructure Support for Hypermedia. National Net '91 Conference, Washington, March, 1991.

Hypertext: Application and Implications. Special Libraries Association Annual Meeting, New York, June 1989.

Panelist, Libraries in the Hyperage: The Uses of Hypertext in Library Instruction. American Library Association Mid-Winter Conference, Washington, DC, January 1989.

Panelist, Evaluating Hypermedia Systems. ACM SIGCHI Annual Meeting, Seattle, April, 1990.

Panelist, Evaluating Complexity. ACM Conference on Information Systems, Boston, April, 1990.

Chair, Hypermedia Special Interest Group. EDUCOM Conference, Washington, DC,October,1988.

Panel Chair, Hypermedia. IBM Academic Computing Information Systems Conference, Dallas, Texas, June 1988.

National Security Agency Computer and Information Sciences Institute 1988 Spring Conference. Hypertext, Ft. Meade, May 17, 1988.

Selected Non-refereed Conference Papers
Marchionini, G. Evaluating Hypermedia-Based Learning. Paper presented at the NATO Advanced Research Workshop on Designing Hypertext/Hypermedia for Learning. Rottenburg, Germany, July 1989.

Marchionini, G. Two Computer Courses for Library Science Students read at the Second National Meeting on Librarianship and Informatics, Brasilia, Brazil, October 1986.

National Institute for Education Conference - Computers in the Home--New Opportunities and Challenges for Education: The Curriculum--What's Available for the Home? Washington,   DC, 1984.

National Council of Teachers of Mathematics Annual Conference: Inservice Models for Educational Computing, Detroit, 1983.

National Education Association Annual Convention: Microcomputers in the Mathematics Classroom, Los Angeles, 1982.

American Federation of Teachers QUEST Conference: Computer Literacy: The Newest Basic Skill, Washington, DC, 1981.

CONTRACTS & GRANTS:

Grant Awards:

Principal Investigator. Center for Information, Technology, and Public Life. Knight Foundation. $5,000,000 2019-2025.

Principal Investigator. Center for Information, Technology, and Public Life. Luminate Foundation. $750,000 2019-2022.

Principal Investigator. Center for Information, Technology, and Public Life. Hewlett Foundation. $600,000 2019-2022.

Principal Investigator for North America. i4G: iSchools' Identity, Interactions and Impact. Mellon Foundation to iSchool Consortium ($600,000).   Subcontract to UNC for North American Portion $160,000 2019-2021.

Principal Investigator. Data Management Training Curriculum for OSC (Open Source Center). CIA. ($310,000) 2016-2020. $47,635 2020

Principal Investigator. Data Management Training Curriculum for OSC (Open Source Award supplement A16-0697. 2018-2020 ($160,000)

Principal Investigator. 6 month bridge funding to Master Contract $387,467 April 1, 2020-September 30, 2020. Provision of Library and Information Center Support Services to the EPA Library in North Carolina. EPA Contract EP-D-15-013. ($25,000,000) 2014-2019.

Principal Investigator. Curating for Data Quality Workshop. National Science Foundation ($50,000). 2012.

Principal Investigator. Results Space Support for Personal and Group Information Seeking over Time. National Science Foundation. ($448,071). 2008-2011.

Principal Investigator. Collaborative Research: Curatorial Work and Learning in Virtual Environments. National Science Foundation. ($150,000). In collaboration with Virginia Tech. 2009-2010.

Principal Investigator. Information Seeking Support Systems Workshop. National Science Foundation. ($49,950). 2008-2009.

Principal Investigator, VidArch Project. Library of Congress. ($230,000). 2007-2009.

Principal Investigator. UNC YouTube Channel. Google ($50,000), 2007-08.

IBM Faculty Research Award. Making Open Video MAGIC. ($25,000), 2006-07.

Principal Investigator: Preserving Video Objects and Context: A Demonstration Project. National Science Foundation ($400,000), 2005-2006.

Sponsor: Kirschstein National Research Service Award: Predoctoral fellowship for John MacMullen (2006-2007). NIH.

Principal Investigator: Evidence Base for Personal Health Record Usability. National Cancer Institute ($150,000), Supplement to Parent Grant: M.I.N.C for Mammography Maintenance (UNC School of Public Health)

Principal Investigator: Annotating Structured Documents: Part II. Microsoft ($150,000) 2005-06.

Principal Investigator: Digital video representation and delivery to advance science learning. NASA Graduate Fellowship2005-06 (Ron Brown). ($24,000). Note renewed for 2006-07 academic year ($24,000)

Principal Investigator: Annotating Structured Documents. Microsoft ($150,000) 2004-05.

Principal Investigator: Integration of data and interfaces to enhance human understanding of government statistics: Toward the National Statistical Knowledge Network. National Science Foundation EIA 0131824 ($1.3 million) 2002-2005.

Principal Investigator: Agile views for video browsing: Advanced surrogates, control mechanisms, and usability. Funded by the National Science Foundation. IIS 0099638 ($518,855) 2001-2004.

Principal Investigator: User Interfaces to Support Collaborative Use of Digital Video. Graduate Fellowship (Xiangming Mu). ($20,000), Funded by North Carolina Networking Initiative, 2001-2002.

Principal Investigator: Citizen Access to Government Statistical Data. Funded by National Science Foundation ($330,000). 1999-2001.

Principal Investigator: Establishing the IDL at SILS. Funded by Smallwood Foundation ($50,000). 1998-99.

Principal Investigator: Evaluation of the Perseus Digital Library. Subcontract ($30,000) Funded by FIPSE grant to Tufts University 1997-2000.

Principal Investigator: Design of a Library of Congress Style of a Graphical User Interface for the National Digital Library. Library of Congress ($220,000). 1995-7.

Co-Principal Investigator: Maryland Electronic Learning Community Project. U.S. Department of Education ($8.1 million). 1995-2001. (Video resources on demand for middle schools)

Co-Principal Investigator: Economic and Community Resource Development with a Public Library. Kellogg Foundation ($100,000). 1996-7.

Co-Principal Investigator: A Community Archive of Spatial Data. Funded by the U.S. Geological Survey ($40,000). 1995-96.

Principal Investigator: Evaluation of the Perseus Hypermedia System. Funded by FIPSE grant to Tufts University ($290,000). 1993-1996 yearly subcontracts of approximately $14,000 per year.

Principal Investigator: A Joint effort in provision of aeronautical information. National Aeronautics and Space Administration, Summer, 1993, $11,000.

Co-Principal Investigator: Developing a Model Information Acquisition, Analysis, and Dissemination Center for Scientific Research Institutes in Developing Nations. Third World Foundation/CIESIN, Summer 1993, $62,000.

Principal Investigator: Computer Interface design for Intermediate Results for Grateful Med. National Library of Medicine 1992. $25,000.

Principal Investigator: Mental Models for Adaptive Search Systems: a Theory for Information-seeking. National Science Foundation 1988-90. $71,000.

Co-Principal Investigator: Interaction of Information Retrieval Systems and Users. Council on Library Resources 1989-1990. $80,000.

Director of External Evaluation: Perseus: An Interactive Curriculum on Classical Greek Civilization. Funded by Annenberg Foundation to Harvard University ($3,300,000). 1989-1993. $117,360.

Co-Principal Investigator: A Survey of the Library of Congress LOCIS System. Library of Congress, $25,000.

Principal Investigator: FULCRUM Project C1: Assimilation of Electronic Work Habits and Problem Solving, IBM Equipment.

Principal Investigator: Council on Library Resources Faculty/ Librarian Cooperative Research Award, 1985. Searching the Online Public Access Catalog. $3,000

Principal Investigator: Council on Library Resources Faculty/Library Cooperative Research Award, 1985. Teaching an Online Circulation System. $3,000

Co-Principal Investigator: Computer Enhanced Learning of Mathematics. Funded by NIE Grant No. SED 80-24223, 1981-1982. $110,000

AWARDS:
ACM/IEEE JCDL Annual Conference Best Reviewer Award 2018

ASIST SIGUSE Outstanding Contributions to Information Behavior Award. November, 2014.

ASIST Award of Merit. 2011.

2010 UNC Faculty Award for Excellence in Doctoral Mentoring. May, 2010.

Google Faculty Research Award. Modeling the effects of banner blindness as a function of repetition and search type. 2010-2011.

School of Information and Library Science Outstanding Teaching Award. 2009.

Jesse H. Shera Award for Distinguished Published Research. Information and Library Science MPACT: A Preliminary Analysis, *Library and Information Science Research*. 2007

IBM Faculty Research Award. Making Open Video MAGIC. 2006-07.

2006 Contributions in Information Science & Technology Award, Los Angeles Chapter of the American Society for Information Science.

ComputerWorld Heroes Finalist: The Open Video Project 2005.

Best Paper of 2003, *Journal of the American Society of Information Science& Technology*. For Paper, Co-evolution of user and organizational interfaces: A longitudinal case study of WWW dissemination of national statistics.

American Library Association Library and Information Technology Association Frederick G. Kilgour Award for Research in Library and Information Technology. 2000

New Jersey ASIST Distinguished Lectureship Award. 2002.

American Society of Information Society 1996 Research in Information Science Award.

Best Paper of 1990, *Journal of the American Society of Information Science*. For Paper, Information Seeking Strategies of Novices Using a Full-Text Electronic Encyclopedia.

University of Maryland Provost's Award (Division of Human and Community Resource), 1986. Children's Information Seeking Behaviors and Electronic Information Services. $5,000

University of Maryland Division of Human and Community Resources Small Grant Award, 1985: Appropriateness of Electronic Data Base Searches for Elementary Students. $1,000

University of Maryland, Graduate Research Board Summer Grant, 1984. Personality, Aptitude, and Gender as Success Factors in Initial Computer Experiences. $1,500

OTHER PROFESSIONAL ACTIVITIES:

Series Editor, *Morgan-Claypool Lectures in Information Concepts, Retrieval, and Services* (2007-present)
69 books in series to date (4 in 2019-20)
Co-Editor-in-Chief, *Data and Information Management* (2017-present)
Editorial Board: *Data Intelligence*, National Academy of Sciences of China and MIT Press (2017-present)
Editor-in-chief, *ACM Transactions on Information Systems* (2002-2008)
Co-Editor-in-chief, *Journal of Information Science Theory and Practice*, 2013-present.
Member, Biomedical Library and Informatics Review Committee (NIH/NLM 2006-2010); Chair 2009-2010
Director at Large: American Society for Information Science 1998-2001
Conference Chair: ACM/IEEE Joint Conference on Digital Libraries 2006
Program Chair: ACM SIGIR 2005 conference
Co-organizer: ASIS Summits on Information Architecture, 2000, 2001, 2002.
Program Chair: Joint ACM/IEEE Conference on Digital Libraries, Portland, OR July 14-18, 2002
Conference Chair: ACM Conference on Digital Libraries, Bethesda, MD, March 21-23, 1996
Tutorial Chair: ACM Hypertext/Digital Libraries '00, San Antonio, TX. May 31-June 7, 2000

Guest Editor: Special Issue of IEEE Computer devoted to Information-Seeking Support Systems (with Ryen White). March, 2009.
          Special Issue of Communications of the ACM devoted to digital government (with Hanan Samet and Larry Brandt) January 2003
          Special Issue of Communications of the ACM devoted to Digital Libraries (with Ed Fox) April

1998; also May 2001
Special issue of Information Processing & Management devoted to digital libraries (with Ed Fox),
1999

Special Issue of <u>Educational Technology</u> devoted to Hypermedia. December 1988.

Editor: Association for Computing Machinery Hypertext Data Base Products. 1989-1992.

Co-editor: *Journal of Digital Information (1999-2007)*
Contributing Editor: *Educational Technology*

Editorial Board Member: *Journal of the American Society for Information Science (1998-present)*
Information Processing & Management (1997-2008)
Journal of Educational Multimedia and Hypermedia (1992-1999)

Journal of Network and Computer Applications
Library Quarterly(1994-2004)
Library and Information Science Research (2000-2006) Journal of Information Retrieval (2006-2010)
Journal on Educational Resources in Computing
International Journal on Digital Libraries
Journal of Biomedical Discovery and Collaboration
New Review of Hypermedia and Multimedia (2000-2018)

Proposal Reviewer & Panelist:
National Science Foundation
National Academy of Sciences (NIST)
Social Science and Humanities Research Council of Canada
National Science and Engineering Research Council of
Canada National Science Foundation
National Library of Medicine
National Institutes of Health
Science Foundation of
Ireland
Science Foundation of Qatar
U.S. Department of
Education The Sloan
Foundation European Union

External Reviewer of Promotion and Tenure Candidates:
From 1992-present, 100 cases from more than 25 universities, including institutions in Canada, UK, Singapore, and Australia

Evaluator: Prince George's County Public Schools Instructional Computing Program, 1986.

Lecturer: Purdue University NEC Seminar, User Evaluation, November 1987.

Primary Consultant: Futures Oriented Communication Skills, U.S. Department of Education Grant No. 13.416 G00800213, 1981.

Primary Consultant: A School System/University Institute for Librarians in the Information Age. Department of Education Grant. #84036, 1990.

TEACHING AND ADVISING:

Courses:
First-year Seminar: Privacy, Piracy, and Personal Identity
(UNC) Issues in Digital Video (UNC)
Seminar in Digital Libraries (UNC)
Human Information Interaction
(UNC)
Seminar in Human Computer Interaction
(UNC) Organizing and Retrieving Information
(UNC) Information Technology (UMCP)
Research Methods in Library and Information Studies (UMCP)

Computer Applications in Information Management (UMCP)
Principles of Human-Computer Communication (UMCP)
Doctoral Seminar in Information Storage and Retrieval
(UMCP) Seminar in Advanced Research Methods (UMCP)

Doctoral Advisees:
Peter Liebscher (1993 dissertation: Information seeking in hypertext: Multiple access methods in a full-text hypertext database); Professor and Dean at Catholic University, now retired
Peter Evans (1993 dissertation: The enabling and disabling effects of a hypermedia information environment on information seeking and use in an undergraduate course)
Xia Lin (1993 dissertation: Self-organizing semantic maps as graphical interfaces for information retrieval); Associate Professor at Drexel U.

Valerie Florance (1994 dissertation: A clinical extract of biomedical literature for patient-care problem solving); Director of External Programs, National Library of Medicine
Deborah Barreau (1997 dissertation: Information systems for organizations and the problem of ephemeral information); Associate Professor, UNC (deceased)
Anita Komlodi co-advisor (2002 dissertation: Search histories for user support in information-seeking interfaces); Associate Professor, University of Maryland Baltimore
Wei Ding (1999 dissertation: Cognitive processing of multimodal surrogates for video browsing); Chief Information Architect, US Patent Office.
Ben Brunk (2003 A framework for understanding the privacy space)
Kiduk Yang (2002 dissertation: Combining text, link, and classification-based retrieval methods to enhance information discovery on the web); Associate Professor, Keimyung University, Korea.
Gary Geisler (2003 dissertation: AgileViews: A Framework for Creating More Effective Information Seeking Interfaces); Senior Developer, Stanford University
Xiangming Mu (2004 dissertation: SmartLinks in a video-based collaborative distance learning system: A cognitive model and evaluation study); Associate Professor, U. Wisconsin Milwaukee
Meng Yang (2005 dissertation: An exploration of users' video relevance criteria); IBM Research
Megan Winget, co-advisor (2006 dissertation: Annotation of Musical Scores: Interaction and Use Behaviours of Performing Musicians); Assistant Professor, University of Texas, Austin
John MacMullen (2006 dissertation: Contextual Analysis of Variation and Quality in Human-curated Gene Ontology Annotations); Assistant Professor, U. Illinois, Urbana-Champaign
Xin Fu (2007 dissertation: Evaluating Sources of Implicit Feedback for Web Search); Director of Data Science, LindedIn
 Fred Stutzman (2010 dissertation: Networked Information Behavior in Life Transitions); Founder, 80% Solutions
Yaxiao Song (2010 dissertation: Multi-modal Surrogates for Retrieving and Making Sense of Videos: Is Synchronization between the Multiple Modalities Optimal?), Microsoft
Cassidy Sugimoto (2009) dissertation: Mentoring, Collaboration, and Interdisciplinarity: An Evaluation of the Scholarly Development of Information and Library Science Doctoral Students. Associate Professor, University of Indiana
Chirag Shah (2010 dissertation: A Framework for Supporting User-Centric Collaborative Information Seeking). Associate Professor, Rutgers University.
Terrell Russell co-advisor (2011 dissertation: Contextual Authority Tagging: Expertise Location via Social Labeling), Research Scientist, RENCI
Javier Velasco-Martin (2013). Exploring self-disclosure in online social networks. EPAM Empathy Lab, Santiago Chile
Felix Portnoy (2012 dissertation: Avoiding Ad Avoidance: Factors Affecting the Perception of Online Banner Ads), IBM.
Julia Khanova (2013). Role of online teaching experience in pedagogical innovation in LIS education: An activity- theoretical analysis. (*JASIST* Editorial Manager)

SERVICE:
Member:
HEALTH INFORMATION TECHNOLOGY (HIT) POLICY COMMITTEE – President's Council of Advisors on Science and Technology (PCAST) Report Workgroup, 2011
US. Office of Disease Prevention and Health Promotion (ODPHP) Healthy People 2020's Health Communication and

Health Information Technology Usability Expert Panel, 2012
President, American Society for Information Science & Technology, 2009-2010
American Society for Information Science Board of Directors 1998-2001
ACM/IEEE Joint Conference on Digital Libraries Steering Committee 2000-present
American Society for Information Science, 1983-present
Association for Library and Information Science Education,
    1986-1989; 1998-present
Association for Computing Machinery, 1988-present
    ACM SIG CHI
    SIG IR 1990-
    ACM SIG LINK
IEEE Computer Society 1997-present
American Library Association, 1983-present
Phi Delta Kappa, 1981-1988

American Educational Research Association, 1990-present
Association for Educational Data Systems, 1981-1987
National Council of Teachers of Mathematics, 1972-1984
Detroit Area Council of Teachers of Mathematics, 1976-1984
    Vice-president, 1980-82

Advisory Boards:
    iSchools Executive Committee 2018-2021
    University of Michigan Information School Dean's Advisory Board (2008-2012)
    ERIC Advisory Board, 2007-2011, Chair 2008.
    Los Alamos National Laboratory Research Library Advisory Board 2005
    Ibiblio Advisory Board
    Ancient World Mapping Center Advisory Board
    Carolina Genome Center Advisory Board
    Founded Odum Institute Internet Impact Faculty Working Group
    NLM Planning Panel on the Education and Training of Health Sciences Librarians, 1993
    Access ERIC, 1992-5
    UMAB Unified Medical Language System Searching Workstation Project, 1992-5
    UMBC Computerized Access to Science Literature Project, 1993-5
    ACM Publications Scholar's Advisory Board 1993-5
    MESL Project Advisory Board 1996-8

Committee Member:
    NLM Long Range Planning Meeting, December 1, 1999
    ACM SIRIR Program Committee 2000
    ACM Digital Library Conference Program Committee 2000
    ACM DL Steering Committee 1996-
present ACM DL 96, 97, 98, 99 Program
Committees WWW8 & WWW9 Program
committees
European Conference on Hypertext 1994 Program
Committee ACM SIGIR Education Committee (1993-1995
appointment) Ed Media '93, 94, 95 Program Committees
NSF Human-computer interaction education and research agenda workshop
(1994) ASIS 1991, 1998 Program Committee
ACM/SIGIR 1991-92, 95, 99 Program Committees
ACM DC Chapter 29th Technical Symposium Program Committee (1991)
Maryland Library Association, Young Adult Services Division Planning Committee, 1984 Annual
Conference
Tri-County Computing Consortium Computer Literacy Curriculum Writing Team, 1981
Detroit Public Schools Middle School Mathematics Objectives Writing Team, 1981
Michigan Council of Teachers of Mathematics Planning Committee, 1977 Conference
National Council of Teachers of Mathematics Local Arrangements Committee, 1983 Annual Conference
National Council of Teachers of Mathematics Representative for Michigan Council of

Teachers of Mathematics, 1977-1981
Mathematics Education Panel, Wayne State University College of Education, 1979-83
College Computer Committee, Wayne State University College of Education, 1983
Wayne State University/Detroit Public Schools Task Force, 1983
Wayne State University College of Education Alumni Association Board of Governors, 82-83

Chairman:
Conference Co-Chair, ACM/IEEE Joint Conference on Digital Libraries
(2020, Wuhan China)
Conference Chair, ACM/IEEE Joint Conference on Digital Libraries (2006)
Program Committee Chair for the Americas, ACM SIGIR Conference
(2005) Program Committee, ACM/IEEE Joint Conference on Digital
Libraries (2002)
Conference Chair, First Annual International ACM Conference on Digital Libraries
(1996) European Conference on Hypertext Panels Chairman for U.S. (1994)
ASIS/SIGHCI, 1990
Mathematics Education Resource Center Advisory Committee, 1978-82
National Council of Teachers of Mathematics Materials Committee, 1980 Name of Site Conference
National Council of Teachers of Mathematics Materials Committee, 1983 Annual Conference
Detroit Center for Professional Growth and Development Computer Literacy Activities Writing Team, 1982-83

Interviewee:
Interview on iSchools appeared in *Documentation, Information & Knowledge* (2019) p. 4-10
UNC TV: William Friday Show (2010)
Washington Post (2008) Parade Magazine (2008)
Teleconference Participant in USIA WorldNet broadcast, June 1993
USIA Libraries of the Future TV Production, 1993
Libraries of the Future, Cable TV Production for the Library of Congress, 1991
Focus Program, WJR Radio, Detroit, 1980
Decisions of 80, National Public Radio, 1980
Channel 7 News (TV), Detroit, 1981
Channel 56 News (TV), Detroit, 1981
WEXL Radio, Detroit, 1981

UNIVERSITY SERVICE: <u>School</u>:
Member:
Research & Doctoral Committee 1998-2004,
Steering Committee, 1987-1998 (UMCP)
Curriculum Committee, 1983-1986, 1991-1998 (UMCP) School Planning Group Committee, 1983-1998 (UMCP)
Research and Support Coordination Committee, 1987-1996 (UMCP) Competency Review Committee, 1983-1998 (UMCP)
Doctoral Committee, 1984-1998 (UMCP) Personnel Committee, 1990-1998 (UMCP)
Chairman:
Personnel Committee (2000-2001, 2002-03, 2006-07, 2008-09, 2009-2010)
Research & Doctoral Committee 1999-2000, 2005-06
Information Technology Committee 1998-99 (UNC) Collegium 1991-1993 (UMCP)
Doctoral Committee, 1989-1990, 1993-1995 (UMCP)
Research and Support Coordination Committee, 1987-1988 (UMCP) College Human Subjects Committee 1993-4 (UMCP)
Curriculum Committee 1995-6 (UMCP) Personnel Committee 1997-8 (UMCP)

<u>Campus</u>:
Member:
Provost's Task Force on Data Science (2018-19)
Undergraduate Advisory Committee (2010-2015)
Campus Research Computing Committee (2008-10)
Campus Strategic IT Planning Committee Research and Scholarship Subcommittee (2006) SILS Dean Search Committee (2003-04)

SILS Dean Review Committee (2002-03) Faculty Research Committee (2003-2005) Senior Research Officers 2002

The University as a Research Center Task Force, 1999 (UNC) Graduate Council, 1994-1995

Provost's Library Advisory Committee, 1992-1998

Middle States Association Periodic Review Committee, 1991-2

Provost's Committee on Information Science, 1991-2

Campus Coordinating Committee on Computing, 1986-1991

Campus Senate Adjunct Committee on Libraries, Computers and Other Instructional Resources, 1984-1987

Microcomputer Technical Evaluation Committee, 1984

Division Computer Technology Committee, 1983-1986

Campus Senate Adjunct Committee on Research, 1993-1995

Campus Senate Educational Affairs Committee, 1995-7

Chairman:

Steering Committee for Data@Carolina 2019-20

Search Committee for Vice Provost for Digital and Lifelong Learning (2019)

Provost's Committee to Recommend a Faculty Activity Reporting System for UNC Chapel Hill (2017)

Co-Chair (with Steve Farmer and Paul Friga), Chancellor's Task Force on Extend Carolina (2017)

Search Committee, Dean of Education, UNC-Chapel Hill (2015).

Provost's Task Force on Online Learning to Improve Access and Success (2013-14)

Provost's Task Force on Research Data Stewardship (2011)

Faculty Research Committee (2003-05)

Vice Chancellor for Information Technology Performance Review, Fall 2001

Provost's Library Advisory Committee, Spring 1993

Instructional Design/Development Program Committee, 1986-1990 (College of Education, College of Library and Information Services, University College

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