

Max C. Anderson

5445 N Sheridan Road, #2603, Chicago, IL 60640 | 312.919.5143 | maxlibris@gmail.com | maxlibris.com

EDUCATION

PhD, Instructional Technology Northern Illinois University	In Progress DeKalb, IL
MS, Learning Technologies University of North Texas	2014 Denton, TX
MLIS, Library and Information Studies Florida State University	1999 Tallahassee, FL
BA, French University of South Florida	1993 Tampa, FL

RESEARCH INTERESTS

Some of my interests include: the changing professional identity of faculty before, during, and after a significant curricular redesign; behavioral intention to integrate technology in various educational activities; inquiry-based teaching and learning; multimedia design and innovation; learning analytics; adult learning theory.

ORCID: <https://orcid.org/0000-0001-6765-4015>

EMPLOYMENT

Director of Instructional Design and Learning Innovation University of Illinois College of Medicine	2018-present Chicago, IL
Instructor University of Illinois College of Medicine	2015-present Chicago, IL
Instructional Designer University of Illinois College of Medicine	2013-2018 Chicago, IL

I collaborate with pre-clinical and clerkship faculty to design, deliver, and evaluate curricular content. Part of this collaboration involves determining the most appropriate student-centered instructional design using evidence-based principles. At the university level, I have built up relationships and partnerships with stakeholders across the institution to promote instructional design principles to the design and delivery of curricular content. At the national level, I envisioned a community of instructional designers in medical education. It is now a reality and is a growing part of the American Association of Medical Colleges (AAMC) organization.

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As part of program evaluation, I designed a process for observing the facilitation/delivery of case-based teaching and learning activities in order to provide instructors with targeted feedback for any needed improvements. I design and deliver a series of formal and informal faculty development activities designed to create stronger communities of teaching and learning. In order to advise and meet the changing needs of faculty and students, I scan and interpret the medical education literature on current instructional design and educational technology theories and trends. I partner with various offices in the college to analyze confidential data on student performance, faculty instruction, curriculum content and delivery, and create longitudinal benchmarks of data for continuous quality improvement. I am an instrumental part of the methodological process of micro-lecture creation; working closely with other multimedia and videography experts at the three-campus level. Along with video, I produced learning materials in a wide range of other modalities including online modules with interactive elements, case-based scenarios, and screencasts.

I manage the learning management system (LMS) for the college and serve on a university-wide committee to monitor usage and provide solutions to problems. For the college, I redesigned the mapping and sequencing of content in Blackboard. Within Blackboard and my role on the university-wide committee, I implemented a program called Ally within our college to improve accessibility of documents uploaded to the LMS. I also participate in Multiple Mini Interviews (MMI) for the office of admissions. I also created, manage, and am the main contributor to a faculty development website: <http://comfaculty.uic.edu>.

Assistant Library Director for Educational Technology

2012-2013

Rush University, Library

Chicago, IL

My role at Rush University included overseeing the purchase, implementation, and support of the learning management system and other educational technology like Panopto, Respondus, and ExamSoft. I trained faculty from all four campuses in the use of educational technologies to ensure proper comfort level with them, and to evaluate their effectiveness. I managed seven full-time employees, including instructional designers, support specialists and lab managers.

Technology Coordinator

2008-2012

National Network of Libraries of Medicine, Greater Midwest Region

Chicago, IL

As coordinator for a 10-state region, I created educational content and taught instructional sessions (face-to-face and via online software). The audience for these sessions were other health science librarians and health practitioners. I implemented a technology improvement award, reviewed competitive applications, and monitored awardee progress toward meeting goals and objectives.

Educational Services Librarian

2008-2012

SOLINET

Atlanta, GA

When I first arrived at SOLINET, approximately 75% of our instructional sessions were delivered face-to-face, and 25% via online meeting software. By the time I left, we had turned that statistic upside-down. I

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developed content and taught hundreds of high-quality instructional sessions either in-person or using distance learning software. This organization covered a ten-state region, my audience was mostly from public, academic, and special libraries. This not-for-profit organization is now known as Lyrasis.

Public Access Computer Trainer
Bill & Melinda Gates Foundation

2000-2003
Seattle, WA

I was fortunate to work for a foundation with the greatest endowment in the United States. In my role, I taught face-to-face instructional sessions to library staff members at rural public libraries across the country. In addition, I installed granted computers and networks in these libraries. At the end of my time with the foundation, I worked with the Alaska State Library to install computers and train staff at remote public and tribal libraries.

ACADEMIC SERVICE

Rush University

- Calendar Committee, Member, 2012-2013
- Room Scheduling Committee, Member, 2012-2013
- University and IS Advisory Council, Member, 2012-2013
- University Leadership, Member, 2012-2013
- University Device and Tablet Strategy Committee, Co-Chair, 2012-2013

University of Illinois at Chicago

- Ten Principles for Enhancing Course Accessibility and Quality for All Students (Member), 2017-2018
- Extended Campus Advisory Board (Member), 2017-present
- Chicago Curriculum Committee (Member), 2016-present
- Osmosis Implementation (Chair), 2015-present
- Learning Center Planning Committee (Member), 2013-2015
- College of Medicine Educational Operations Committee (Member), 2015-present
- Technology Enhanced Medical Education Task Force, (Chair), 2015-present
- M1/M2 Curricular Subcommittee (Ex-officio member), 2013-2016
- Phase 1 Committee (Ex-officio member), 2016-present
- University LMS Governance Board (Member), 2014-present
- Information Technology Governance Council (ITGC), Basic Principles for Teaching with Technology Subcommittee (Member), 2013-present
- Library Search and Screen Committee (Member), 2008-2009
- Library Space Planning Committee (Member), 2009-2012
- Library Technology/Systems Committee (Member), 2009-2012
- Library Think Tank (Member), 2010-2011

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PROFESSIONAL ORGANIZATIONS

- AAMC Central Group on Educational Affairs
 - Technology in Medical Education Special Interest Group (Recorder), 2017-2018
- AAMC Group on Information Resources
 - Instructional Design Community (Chair), 2016-present
- American Library Association, 1998-2009; 2012-2013
 - Continuing Library Education Network and Exchange (Member), 2002-2008
 - Library and Information Technology Association (Member), 2004-2009; 2012-2013
- American Educational Research Association (Member) 2017-present
- American Society for Training & Development (Member), 2013-2014
- Association for Educational Communications & Technology (Member), 2016-present
 - Design and Development (Member), 2016-present
 - Emerging Learning Technologies (Member), 2016-present
 - Systems Thinking & Change (Member), 2016-present
- Bill & Melinda Gates Foundation, 2016-present
 - Alumni Ambassador
- EDUCAUSE (Institutional), 2008-present
- Health Science Librarians of Illinois (Member), 2008-2013
- Indiana Health Science Library Association (Member), 2008-2013
- Kappa Delta Pi (Member), 2018-present
- Medical Library Association, 2008-2014
 - National Program Committee (Member), 2010-2014
 - Relevant Issues Section (Chair-Elect), 2010-2011
 - Relevant Issues Section (Chair), 2011-2012
 - Relevant Issues Section (Immediate Past Chair), 2012-2013
 - Educational Media and Technologies Section (Member), 2009-2014
 - Social Networking Software Task Force (Member), 2009-2010
 - Technology Advisory Committee (Member), 2010-2011
 - Videography Coordinator for Medical Library Association Annual Meetings, 2010-2011
 - Conference Community (Member), 2009-2014
 - Public Health/Health Administration Libraries Section (Member), 2011-2013
 - Medical Informatics Section (Member), 2011-2014
 - Nominating Committee (Member), 2011-2013
- Midwest Chapter of Medical Library Association, 2008-2014
 - Facilities Committee (Member), 2008-2009
 - Annual Meeting Planning Committee (Member), 2009-2013
 - Nominating Committee (Member), 2011-2012
- National Network of Libraries of Medicine, Southeast Atlantic Region, Regional Advisory Committee (Member), 2006-2008
- Wisconsin Health Science Library Association (Member), 2008-present

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- Planning Committee (Member), 2009-2010
- Program Committee (Member), 2011-2012

OTHER ACADEMIC SERVICE

- EDUCAUSE
 - Conference Proposal Reviewer, 2013-present
- Association of Educational Communication and Technology (AECT)
 - Conference Proposal Reviewer, 2018-present
- International Journal of Innovative Teaching and Learning in Higher Education
 - Editorial Board (associate editor), 2019-present
- BMJ Online
 - Manuscript Reviewer, 2019-present
- Medical Education Online
 - Manuscript Reviewer, 2017-present

PEER REVIEWED PUBLICATIONS

Anderson, M. C., Love, L. M., & Hagggar, F. L. (2019). Looking beyond the physician educator: The evolving roles of instructional designers in medical education. *Medical Science Educator*. DOI: 10.1007/s40670-019-00720-6

Kelley, K. W., Fowlin, J. M., Tawfik, A. A., & **Anderson, M. C.** (2019). The role of using formative assessments in problem-based learning: A health sciences education perspective. *Interdisciplinary Journal of Problem-Based Learning*. 13(2). DOI: 10.7771/1541-5015.1814

Tawfik, A. A., Fowlin, J., Kelley, K., **Anderson, M.**, & Vann, S. W. (2019). Supporting case-based reasoning in pharmacy through case sequencing. *Journal of Formative Design in Learning*.

Love, L., Hagggar, F., & **Anderson, M.** (2019). Strategically integrating instructional designers in medical education. *Academic Medicine*, 94(1), 146. DOI: 10.1097/ACM.0000000000002475

Anderson, M. (2013). Electronic resources in medical libraries. In L. Bell & T. Peters (eds.), *The handheld library: Mobile technologies and libraries*. Santa Barbara, CA: Libraries Unlimited.

Anderson, M. (2009). The medium is the messenger: Using podcasting to deliver consumer health information. *Journal of Consumer Health on the Internet*, 13(2), 119-128.

Howard, L., & **Anderson, M.** (2007). RFID technology in the library environment. *Georgia Library Quarterly*, 44(1), 17-20.

Howard, L., & **Anderson, M.** (2006). RFID technology in the library environment. *Journal of Access Services*, 3(2), 29-39.

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OTHER PUBLICATIONS

Cooper, S. L., Hain, A., **Anderson, M.**, Kurzweil, D., Mayall, H. J., Tentler, A., Wang, L., & Oh, S-Y. (2019). Instructional design and e-learning survey report. Washington, D.C.: Association of American Medical Colleges.

PEER REVIEWED PRESENTATIONS & PROCEEDINGS

Budhrani, K., **Anderson, M. C.**, Richardson, V. M., & Jordan, B. (October 2019). *It's Win-Win! Implementing Gameshows as a Course Design Approach to Promote Student Engagement and Competition*. Panel presentation at the Association of Educational Communications & Technology (AECT), Las Vegas, NV.

Tawfik, A. A., Fowlin, J., Kelley, K., **Anderson, M.**, & Vann, S. W. (April 2019). *Supporting case-based reasoning in pharmacy through case sequencing*. Paper accepted and presented at the Meeting of the American Educational Research Association (AERA), Toronto, Canada.

Technology-Assisted Flipped Medical Education: Faculty Created Learning Modules, AAMC Information Technology in Academic Medicine, June 2018

Issues in Interviewing, Qualitative Inquiry Collaborative, April 2018

We Need an Instructional Designer! Six Essential Questions You Should Ask Before, During, and After You Hire, Central Group on Educational Affairs, March 2017

The Impact of Instructional Design on Medical School Curriculum, SLATE, October 2016

Are You with Me? Use of Web-Based Student Response Tools, TechTeach 2015: Building Your Own Student Success, Chicago, IL, October 2015

Making Tutorials with Amy Blevins and Max Anderson [Online], Medical Library Association Educational Media and Technologies Section, July 2015

Delving into Distance Support: Instructional Design, Library Role, and Social Media [Online], Medical Library Association Educational Media and Technologies Section, September 2014

Flipping the College of Medicine on Its Side [Workshop], TechTeach 2014: Engaging Learners at a New Level, Chicago, IL, October 2014

@beffuh and @maxlibris Show You the Ropes: Tweeting at Professional Conferences, Mobile Computing in Medical Education Conference, Indiana University School of Medicine, Indianapolis, IN, May 2013

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There's an App for That: The Use of Mobile Devices, Apps and Resources For Health And Sci-Tech Librarians And Their Users [panelist], American Library Association, Chicago, IL, July 2013

How Educational Technology Can Impact Health Sciences Education, IAECT (Illinois Association for Educational Communications & Technology), Chicago, IL, October 2012

PEER REVIEWED POSTERS

Hammersmith, L., & **Anderson, M. C.** *Are they watching? Two years of a Flipped Health Science Curriculum.* EDUCAUSE, October 14-17, 2019; Chicago, IL.

Hammersmith, L., Berrocal, Y., Fisher, J., & **Anderson, M.** *A peer review model to support faculty-produced video micro-lectures in a flipped medical curriculum.* AAMC Information Technology in Academic Medicine, June 5-9, 2018; Austin, TX.

Anderson, M., Love, L., Yingling, S., & Hyderi, A. *The squeaky wheel gets the grease? Insights and impacts during resource-challenged curricular transformation.* 21st Annual International Association of Medical Science Educators, June 10-13, 2017; Burlington, VT.

Nance, A., **Anderson, M.**, Rudnicki, A., & Hilliard, M. *Instructional design in medical education.* AAMC Information Technology in Academic Medicine, May 9-12, 2017; Atlanta, GA.

Anderson, M. *Best practices for teaching with technology.* TechTeach, October 2014; Chicago, IL.

Anderson, M., & Mann, J. *Flipping the college of medicine on its side.* UIC IT Professionals Forum, April 23, 2014; Chicago, IL.

INVITED PRESENTATIONS

Unpacking Online Education, UIC Extended Campus, May 2017

Delving into Distance Support: Instructional Design, Library Role, and Social Media [Online], Medical Library Association Educational Media and Technologies Section, September 2014

There's an App for That: The Use of Mobile Devices, Apps and Resources For Health And Sci-Tech Librarians And Their Users [panelist], American Library Association, Chicago, IL, July 2013

Cut the Cord: Connecting to Our Mobile Users, Medical Library Association Educational Webcast, November 2009

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Web 2.0 Principles and Best Practices: Discovering the Participatory Web, Medical Library Association Educational Webcast, March 2008

OTHER PRESENTATIONS

- *Effective Use of Osmosis for Teaching and Learning*, UIC College of Medicine, August 2016
- *Poll Everywhere as a Tool for Engagement*, UIC College of Medicine, July 2016
- *What is the (Flipped) Active Learning Classroom?*, UIC College of Medicine, June 2016
- *Instructional Design for Medical Librarians* [Online], Medical Library Association, December 2015
- *Starting an iPad Program at a Medical College: Including the Library in the Process*, University of Hawaii, School of Information (Online), June 2013
- *Teaching Academy: What Do I Need to Know? Online Teaching Tips from the METC*, Chicago, IL, April 2013
- *WebJunction: Your Online Community*, WebJunction, 2005
- *WebJunction: Your Online Community*, WebJunction Informational [Interview], 2004

TEACHING EXPERIENCE

- *ETT 310 – Instructional Design Models, Strategies, and Tactics*, Fall 2019
- *ETT 510 – Instructional Media and Technology*, Fall 2019
- *ETT 740 – Seminar: Educational Technology Foundations*, Fall 2019
- *ETT 510 – Instructional Media and Technology*, Summer 2019
- *ETT 511 - Advanced Instructional Media Design*, Summer 2019
- *ETT 229 – Computers in Education*, Northern Illinois University, Spring 2017-Spring 2019
- *Information Anywhere: Mobile Technology, Libraries and Health*, Quad Chapter of the Medical Library Association, Baltimore, MD, October 2012
- *Information Anywhere: Mobile Technology, Libraries and Health*, Midwest Chapter of the Medical Library Association, Rochester, MN, October 2012
- *Information Anywhere: Mobile Technology, Libraries and Health*, Traverse City & Detroit, MI, March 2012
- *Overview of Mobile Technology in Healthcare*, GMR Lake Effects Webinar, February 2012
- *Overview of Mobile Technology in Healthcare*, Gottlieb Hospital [Chicago, IL], January 2012
- *Geeks Bearing Gifts: Unwrapping New Technology Trends*, GaIN (Macon, GA), November 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, Ohio Health Science Library Association, October 2011
- *Information Anywhere: Mobile Technology, Libraries and Health and Screencasting: Creating Online Tutorials*, University of Kentucky, October 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, Health Science Libraries of Illinois, October 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, Midwest Chapter of the Medical Library Association, October 2011

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- *Information Anywhere: Mobile Technology, Libraries and Health*, Southern Chapter of the Medical Library Association, October 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, Michigan Health Science Library Association, September 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, North Dakota Library Association, September 2011
- *Information Anywhere: Mobile Technology, Libraries and Health*, Kentucky Medical Library Association, September 2011
- *The Ropes: Planning Instruction for the Adult Learner*, Munson Community Health Library, June 2011
- *Geeks Bearing Gifts: Unwrapping New Technology Trends*, Baltimore County Public Library, April 2011
- *Super Searcher*, University of Iowa, April 1, 2011
- *Video 101*, PKIDS (Parents of Kids with Infectious Diseases), Webinar, April 2011.
- *Geeks Bearing Gifts: Unwrapping New Technology Trends*, NEOUCOM, March 2011
- *Geeks Bearing Gifts: Unwrapping New Technology Trends*, Chicago and South Consortium, March 2011
- *That's a Wrap: Creating and Editing Video*, University of Illinois at Chicago, March 31, 2011
- *Super Searcher*, Michigan Health Science Library Association, October 2010
- *The Ropes: Planning Instruction for the Adult Learner*, Indiana University, October 2010
- *Can You Hear Me Now? How to Make a Podcast and Screencasting: Creating Online Tutorials*, Deaconess Hospital (Evansville, IN), September 2010
- *The Ropes: Planning Instruction for the Adult Learner*, Midwest Chapter of the Medical Library Association, September 2010
- *Can You Hear Me Now? How to Make a Podcast*, Health Literacy Summit (Wausau, WI), August 2010
- *Super Searcher*, Ivy Tech Community College (Indianapolis, IN), August 2010
- *The Ropes: Planning Instruction for the Adult Learner*, The Library of Virginia, July 2010
- *Screencasting: Creating Online Tutorials*, University of Illinois at Chicago – Rockford Campus, June 2010
- *Sharing Your Library with the World*, ASTHO (Association of State and Territorial Health Officials), July 2008.
- *Technology Forum – Podcasting, RSS and Folksonomies*, Medical Library Association – Mid-Atlantic Chapter, 2007.
- *Who, What, When, Where, Why, Wiki*, Society of Georgia Archivists, 2007.
- *Using Social Software to Share Your Library with the World*, Energize 2.0, Miami, 2007.
- *RFID in Libraries*, Special Libraries Association, 2006
- *Accidental Trainer*, Medical Library Association – Southern Chapter and Mid-Atlantic Chapter Joint Conference, 2006.
- *Is Your Library Ready for RFID, and is RFID Ready for You?* Technology Training To Go – NEFLIN, 2006.

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- *RFID in Libraries*, NEFLIN, 2006.
- *Using Social Software to Share Your Library with the World*, Mississippi Library Association Annual Conference, 2006.
- *Open WorldCat: Share Your Library with the World*, Washington Library Association Annual Meeting, 2006.
- *Technology Forum - Podcasting*, Medical Library Association – Midwest Chapter Meeting, 2006.
- *Building the Online Community with WebJunction*, Computers in Libraries, 2005.
- *Distance Education at SOLINET*, Computers in Libraries, 2005.
- *OCLC Cataloging Options*, GA SOLINET Users Group Meeting, 2005.

CLASSES DEVELOPED

- **University of Illinois College of Medicine at Chicago:** Effective Use of Osmosis for Teaching and Learning; Poll Everywhere as a Tool for Engagement; What is the (Flipped) Active Learning Classroom? Creating Captivating Tutorials with Adobe Captivate
- **NN/LM GMR:** Can You Hear Me Now? How to Make a Podcast; Screencasting: Creating Online Tutorials; Super Searcher; Geeks Bearing Gifts; The Ropes: Planning Instruction for the Adult Learner; That's a Wrap: Creating and Editing Video; Information Anywhere: Mobile Technology, Libraries and Health
- **SOLINET:** Promoting Library Services Using Blogs and RSS; RFID for Libraries; RSS and Podcasting for Libraries; Web 2.0: Social Software Applications for Libraries; Web Design with CSS (basic and advanced); XHTML; Dreamweaver; Advocacy; Accidental Trainer; Training 24/7; Invisible Reference Desk; Xtreme Web Searching; Local Holdings Maintenance; Getting Started with the Connexion Client, Making the Connexion, and Offline Cataloging in the Connexion Client; Cataloging for Non-Catalogers; Connexion Searching and Copy Cataloging Skills; Advanced Connexion Client

FELLOWSHIPS & CERTIFICATIONS

- Apple Education Trainer (2016-2018)
- National Library of Medicine fellowship program in Biomedical Informatics I at the Marine Biological Library, Woods Hole, MA. (2011)

AWARDS & RECOGNITION

- Kappa Delta Pi – International Honor Society in Education (2018)
- UIC - Frank T Sparks Service to Students (2017)
- F. William Summers Award (academic accomplishment) (1999)