

BRIAN R. MOORE

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OFFICE ADDRESS

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EDUCATION

- | | | |
|------|---------------------------------|---|
| 1986 | University of Wisconsin–Madison | Ph.D., Curriculum & Instruction
Dissertation: <i>Music Composition and Learning Style: The Relationship Between Curriculum & Learner</i> |
| 1982 | University of Wisconsin–Madison | Master of Music, Music Education – conducting emphasis |
| 1977 | University of New Hampshire | Bachelor of Arts, Music Theory & Composition |
| 1977 | University of New Hampshire | Bachelor of Music, Music Education |

TEACHING EXPERIENCE

University

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|---------|---|--|
| 1993– | Associate Professor of Music Education, University of Nebraska–Lincoln | |
| | Graduate Courses Taught | Undergraduate Courses Taught |
| | <ul style="list-style-type: none">• Music Technology Applications for Composition (MUSC 840)• College Teaching in Music (MUED 982)• Seminar in Music Technology (MUED 987f)• Music Technology: Foundations and Principles (MUED 882)• Music Technology: Advanced Techniques and Applications (MUED 883)• Seminar in the Teaching and Learning of Music• Computer Programming for Music Settings• Advanced Techniques for Compositional Software• Instrumental Literature for School Ensembles• Approaches to Middle School Music | <ul style="list-style-type: none">• Music Composition Methods (MUED 343)• Technology and the Creative Scholar (MUSC 189H)• Music Technology: Introduction and Overview (MUED 282)• Music Technology: Foundations and Principles (MUED 482)• Music Technology: Advanced Techniques and Applications (MUED 483)• Internship (MUSC 498)• Instrumental Music Methods (MUED 345)• Music Education Practicum (MUED 397)• Special Topics: Strings (MUED 401N)• Student Teaching Seminar (MUED 403)• Student Teaching Supervision• Beginning Conducting |
| 1986–93 | Assistant Professor of Music Education, University of Nebraska–Lincoln | |

Elementary and Secondary

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|---------|---|
| 1988–99 | Lincoln Youth Symphony, Lincoln Public Schools, Lincoln, NE: Music Director, grades 9-12 |
| 1978–84 | Verona Area School District, Verona, WI: Director of Orchestras, general music, and music theory, grades 6–12. Cooperating teacher for instrumental music student teachers from the University of Wisconsin–Madison |
| 1978 | Milton Elementary School, Milton, NH: general music, vocal music, grades 1–6 |
| 1975–76 | St. Paul's School, Concord, NH: applied violin and viola, grades 9–12 |

RESEARCH & CREATIVE ACTIVITIES

National & Regional Presentations

- Oct 2014 *Hands on with iPads - creating interactive music content*, Lecture, [refereed] NAFME National Inservice Conference, National Association for Music Education, National, Nashville TN, October 27, 2014
- Feb 2013 *The Professor as Digital Author and Publisher: Creating and Delivering E-Textbooks with iBooks Author and iTunes U* 2013 EDUCAUSE Learning Initiative (ELI) Annual Meeting, February 4-6, 2013, Denver, CO [refereed] – Proceedings in <http://www.educause.edu/events-search/263997>
- Feb 2012 *The 21st Century Artist/Scholar: the iPad2 as Creative Medium*, 2012 EDUCAUSE Learning Initiative (ELI) Annual Meeting, February 13-15, 2012, Austin TX. [refereed] – Proceedings in <http://www.educause.edu/ELI12/Program/PS13>
- Feb 2012 *iPads in the Classroom*. Central State Blackboard Uses Group. *Invited*
- Oct 2011 *Mentoring and Developing a "Community of Composers"* - New Directions in Music Education, Michigan State University [refereed]
- June 2010 Music Education Week in Washington, MENC: The National Association for Music Education "Technology Considerations in General Music" (Opening Plenary Presentation) - *Invited*
- June 2010 Music Education Week in Washington, MENC: The National Association for Music Education. "Digital Music Making: Learning to Use iLife Suite" (Novice Level) - *invited*
- June 2010 Music Education Week in Washington, MENC: The National Association for Music Education. "Digital Music Making: Learning to Use iLife Suite" (Advanced Level)" - *invited*
- June 2009 Music Education Week in Washington, MENC: The National Association for Music Education. Opening Plenary: "Making the Case for Technology" (panel) - *invited*
- June 2009 Music Education Week in Washington, MENC: The National Association for Music Education "The Technology-Centric Music Composition Classroom" (Presentation) - *Invited*
- April 2008 MENC 61th Biennial In-Service Conference (Milwaukee, WI) "New Media for New Music" [refereed]
- April 2008 MENC 61th Biennial In-Service Conference (Milwaukee, WI) "MultiMedia Music Creation in the General Music Classroom" – hands on lab workshop [invited]
- Jan 2008 Washington DC Music Education Association "Integrating MultiMedia with Music Composition" ([invited])
- Feb 2007 NorthWest MENC Regional Conference (Portland, OR) "Music Technology in the Middle and Elementary Classroom" [invited]
- Nov 2006 American Orff-Schulwerk Association, National Conference (Omaha, NE) "Teaching, Tunes, and Technology I & II" [invited]
- July 2006 NECC 2006 (National Educational Computing Conference / ISTE (International Society for Technology in Education National Conference (San Diego, CA) "podcasting Standards: Using Technology to Teach Technology" [refereed]
- April 2006 MENC 60th Biennial In-Service Conference (Salt Lake, UT) MENC Technology Lab [invited]
- Nov 2004 College Music Society/Association for Technology in Music Instruction National Conference (San Francisco, CA) "Developing the Student Composer Through and with Multimedia" [refereed]
- June 2004 2004 NMC Summer Conference (New Media Center International Summer Conference) (Vancouver, British Columbia, Canada) "The New Media Center as Digital Hub" [refereed]
- April 2004 MENC 59th Biennial In-Service Conference (Minneapolis, MN) "Experience Yamaha's Unique Approach to Teaching General Music in the Classroom" [invited]
- April 2002 MENC 58th National Biennial In-Service Conference – "Assessment through Music Technology" – (presentation made in MENC's technology center)
- April 2002 MENC 58th National Biennial In-Service Conference – "Composing through Music Technology"– (presentation made in MENC's technology center)
- Jan 2002 9th International Conference on Technological Directions in Music Learning, University of Texas at San Antonio. [refereed paper/presentation] "The Internet as a Tool for the Evaluation of Music Education Practicum Experiences".

- Jan 2002 9th International Conference on Technological Directions in Music Learning, University of Texas at San Antonio. [refereed poster session] "Partnership Between Industry and Education: Music In Education™ as an Exemplar"
- Mar 2000 Music Educators National Conference, Washington D. C.
- Panel for Vision 20/20 – *How Will Societal and Technological Changes Affect the Teaching of Music?*
 - *Music In Education: The Next Generation*
 - *Visual Arranger: Compositions Can't Get Any Easier*
- Oct 1999 College Music Society/Association for Technology in Music Instruction National Meeting, Denver, CO
- *Authoring Tools I: REALBasic and HyperMIDI*
 - *A Conceptual Framework for the Teaching of Musical Composition*
- June 1999 Bands of America, Illinois State University, Normal, IL
- *Portfolio Assessment in Music*
 - *Office Suite Software for Instrumental Music Educators*
- Jan 1999 Music Educators National Conference, Southern Division Conference, Tampa, FL
- *How to Make Music from Scratch – A Recipe for Creativity as Curriculum – Session 1: Composition/Improvisation as Part of a Total Music Curriculum*
 - *How to Make Music from Scratch – A Recipe for Creativity as Curriculum – Session 2: Making Music in Your Own Classroom*
- June 1998 Bands of America, Normal, IL
- *Portfolio Assessment for the Music Student*
- Apr 1998 Music Educators National Conference, Phoenix, AZ
- *Discovering the Song Within* – presentation on use of technology to develop and enhance student creativity through composing music
 - *Music from the Heart* – developing student improvisation skills via software
 - *The Standards and Music Technology* – the role of technology in accomplishing National Music Standards
- Nov 1997 "Technology in the Music Classroom" – An Interactive Video Teleconference, sponsored by MENC, Yamaha, and the University of Nebraska Educational TV.
- Oct 1996 Technology Institute for Music Education, Valley Forge, PA
- Apr 1996 Music Educators National Conference, Kansas City, MO
- *The Music Suite* - Presentations made at Pre-Session Technology Conference
 - *Music In Education* - Presentations made at Pre-Session Technology Conference
- Apr 1994 Music Educators National Conference, Cincinnati OH
- *Music In Education Workshops* - Presentations made at Pre-Session Technology Conference
- Oct 1990 North Central Music Educators Conference, Madison, WI
- *Music & Technology—Where Do We Go From Here?*
- Mar 1990 Music Educators National Conference, Washington D. C.
- *Creativity and Technology / Music In Education*
- Apr 1988 Music Educators National Conference, Indianapolis, IN
- *Dimensions of Thinking: Implications for the Instrumental & Choral Rehearsal*
 - *Teaching Teachers About Technology*
 - *Music In Education Project*
- July 1987 National Group Piano Symposium, University of Nebraska—Lincoln
- *Piano Teachers and Computer Technology*
 - *Issues in Teaching & Learning*
- Oct 1987 College Music Society 30th Annual Conference, New Orleans, LA
- *Microcomputer—based management systems for music instruction software.* (With David Williams, Illinois State University at Normal and Dennis Bowers, Southern Methodist University)

State & Local Presentations

- Aug 2012 Technology Edge - College of Education & Human Sciences, University of Nebraska-Lincoln
- *iBook Author for Music Textbooks*
- Nov 2002 Nebraska Music Educators In-Service Conference/Clinic, Lincoln, NE
- *The Doctor is IN*
 - *Music Teacher Education: Web-Based Assessment Techniques*
- Nov 2000 Nebraska Music Educators In-Service Conference/Clinic, Lincoln, NE
- *Vision 20/20 – How Will Societal and Technological Changes Affect the Teaching of Music?*

- Oct 2000 Wisconsin Music Educators Conference, Madison, WI
 - *Software 101: Notation Made Easy*
 - *Software 801: Advanced Uses of Notational Software*
- Oct 2000 Nebraska Music Teachers Association, Lincoln, NE
 - *Getting Started with Music Technology*
- Sep 1999 Nebraska Wesleyan University, Lincoln, NE
 - *Web-Based Instruction in Music*
- Apr 1999 Lincoln Music Teachers Association, Lincoln, NE
 - *Electronic keyboards in music instruction*
- Jan 1997 41st Annual Hastings/Grand Island Orchestra Clinic, Grand Island, NE
 - Guest Conductor
- Mar 1996 Nebraska Bandmasters State Convention, Lincoln, NE
 - "Surfin' the 'Net"
- Nov 1995 Nebraska Music Educators In-Service Conference/Clinic, Lincoln, NE
 - *The Music Suite - Part 1 & 2*
 - *Music In Education*
- Nov 1994 Nebraska Music Educators In-Service Conference/Clinic, Scottsbluff, NE
 - The Composer in the Classroom
- Nov 1990 Nebraska Music Educators In-Service Conference/Clinic, Lincoln, NE
 - Music Printing on the Macintosh Computer
- Aug 1990 Technology in Arts Education Conference, Des Moines, IA
 - Music In Education / The Future of Technology in Arts Education—A Panel Discussion
- Nov 1989 Nebraska Music Educators In-Service Conference/Clinic, Grand Island, NE
 - Those Marvelous Music Machines: Part 1 & The Sequel
 - Hands-On Computer Lab
 - How Can Nebraska's Colleges & Universities Better Serve Music Education in the 90's (Panel)
- Nov 1989 Newfoundland Music Teachers Biennial Conference, St. John's, Newfoundland
 - Technology and Teaching
- Jan 1988 Oklahoma Music Educators Conference, Oklahoma City, OK
 - Computers and Elementary Music
 - Styles in Music and Learning
- Nov 1987 Nebraska Music Educators Conference, Aurora, NE
 - Computers, Kids, & Music.
- Oct 1987 Wisconsin Music Educators Conference, Madison, WI
 - The Music Lab—Current Trends and Future Possibilities
- Oct 1985 Wisconsin Music Educators Conference, Madison, WI
 - The New State Curriculum Guide and the Instrumental Teacher—panel discussion
 - Life in the Trenches—coordinator of session for music education students and first year teachers
- Oct 1984 Wisconsin Music Educators Conference, Madison, WI
 - What's New on the High-Tech Horizon?
- Jan 1984 New Mexico Music Educators Conference, Albuquerque, NM
 - The Use of Electronics and Software for Elementary School Music Programs
 - Electronics in Choral Music Education
 - College/University: Electronics and the Computer in Music Education
- Feb 1983 Ohio Music Educators Conference, Columbus, Ohio
 - An Overview of Technology in Music Education
- Oct 1981-3 Wisconsin Music Educators Conference, Madison, WI
 - The Wisconsin State Guidelines for Computer Literacy and its Impact upon Music (1983)
 - Coordinator of "Computer-Fest", a music education and technology resource area (1983)
 - Computers, Kids, and Music (1982)
 - Current Issues in String Teaching—an Open Discussion, moderator (1981)
 - An Introduction to Computers and Music Education (1981)

PUBLICATIONS

Articles

- 2002 "The Internet as a Tool for the Evaluation of Music Education Practicum Experiences" – [refereed] Proceedings of the 9th International Conference on Technological Directions in Music Learning.
- 1996 "Technology and the Visual and Performing Arts" (with Vicki E. Hancock and Bernard Schwartz) ASCD Curriculum Handbook, Alexandria, VA: Association for Supervision and Curriculum Development. – CD-ROM electronic format
- 1993 "Climbing Jacob's Ladder: In Search of Old Wine in New Bottles" *New Ways*, Vol. 8, No. 2 (Winter 1992)
- 1993 "Technology and the Visual and Performing Arts" (with Vicki E. Hancock and Bernard Schwartz) ASCD Curriculum Handbook, Alexandria, VA: Association for Supervision and Curriculum Development.
- 1992 "Future Technology: Working for Education" *Music Educators Journal*, Vol. 79 No. 3 (November 1992): 30-32,67.
- 1992 "Music, Technology, and an Evolving Curriculum" *National Association of Secondary School Principals Bulletin*, Vol. 76 No. 544 (May 1992): 42-46.
- 1991 "Technology—A Resource Providing New Ways for Music Educators" *New Ways*, Vol. 8, No. 1 (Fall 1991):1,3.
- 1990 "The Relationship Between Curriculum and Learner: Music Composition and Learning Style" *Journal of Research in Music Education* Vol. 38, No. 1 (Spring 1990), pp. 24–38.
- 1990 "Do You Rate A 'Superior' For Style?" *New Ways*, Vol. 7, No. 1 (Fall 1990):1, 12–13.
- 1988 "Perception and Process: A Look at Learning Styles" *The Instrumentalist*, Vol. 42, No. 9 (April 1988): 16–19.
- 1988 "Perception and Process: A Look at Learning Styles" *Clavier*, Vol. 27, No. 3 (March 1988): 15–18.
- 1988 "Music and Computers in the Middle School" *Dialogue in Instrumental Music Education*, Vol. 11, No. 2 (Fall 1988): 86–94.
- 1983 "A CAI Music Lab in the Middle School" *Dialogue in Instrumental Music Education*, Vol. 7, No. 1 (Spring 1983): 19–23.

Books, Chapters, and Research Reports

- 2006 Teacher Resources: Music In Education, Milwaukee, WI: Hal Leonard Corporation. Author of instructional manual for the 2nd edition of the *Music In Education* curriculum. Responsible for all aspects including design, layout, illustrations and post production.
- 2006 *Student Songbook: Music In Education*, Milwaukee, WI: Hal Leonard Corporation. Editor/arranger of new music literature for use by middle level and secondary students as part of the *Music In Education* 2nd edition curriculum. This book involves 155 pieces, all with keyboard and/or instrumental parts cross-referenced to National Music Standards. Responsible for all editorial work including layout and post production work.
- 2002 "The Birth of Song: The Nature and Nurture of Composition", *Why and How to Teach Music Composition: A New Horizon for Music Education*. Reston, VA: Music Educators National Conference.
- 2000 "Musical Thinking and Technology", *Dimensions of Musical Thinking*. Reston, VA: Music Educators National Conference.
- 1999 *Opportunity-to-Learn Standards for Music Technology*, Music Educators National Conference. An addendum to the Opportunity-to-Learn Standards for Music Instruction, written by the MENC Task Force on Music Technology, of which I am a member.
- 1995 *The Music Suite*, Yamaha Corporation of America. A student workbook, teacher manual, and software music files (MIDI files) which teach secondary students how to compose via computers. This book was co-authored with Robert Stephens, Montclair State University.
- 1995 *Music In Education: A Report for Educators*, Yamaha Corporation of America. Results of a survey of 178 schools in the United States and Canada who have been using *Music In Education* as part of the music curriculum.
- 1994 "Technology in the Middle School: A Powerful Potential" in *Music at the Middle Level: Building Strong Programs*, Music Educators National Conference, pp. 91-94.

- 1993 *Music In Education: Educator Survey Report: 1992-93*. Yamaha Corporation of America, Grand Rapids, MI
- 1993 *Music In Education: Review and Quiz*. Yamaha Corporation of America, Grand Rapids, Michigan. 2nd edition. Authored assessment segment of a multi-year technology-assisted music curriculum.
- 1992 *Music In Education: Review and Quiz*. Yamaha Corporation of America, Grand Rapids, Michigan. Authored assessment segment of a multi-year technology-assisted music curriculum.
- 1991 *Music In Education: Review of Research*. Yamaha Corporation of America, Grand Rapids, Michigan.
- 1991 *Music In Education: Executive Summary*. Yamaha Corporation of America, Grand Rapids, Michigan.
- 1989 *Music In Education: Research Summary 1988-89*. Yamaha Corporation of America, Buena Park, CA.
- 1989 "Musical Thinking Processes", *Dimensions of Musical Thinking*. Reston, VA: Music Educators National Conference, pp. 33-44.
- 1989 "Musical Thinking and Technology", *Dimensions of Musical Thinking*. Reston, VA: Music Educators National Conference, pp. 111-116.
- 1988 *Music In Education: Research Summary 1987-88*: Yamaha Corporation of America, Buena Park, CA.
- 1988 *An Annotated, Interdisciplinary Bibliography of Learning Theory for Teachers of Piano and Piano Pedagogy*. Contributor to this document presented to the National Conference on Piano Pedagogy, Chicago, Illinois, October 21, 1988.
- 1986 *Research and Development of a Microcomputer-based Music Curriculum Manager*. (With David Williams and Dennis Bowers). Temporal Acuity Products, Inc., Bellevue, WA.
- 1986 "Design of a microcomputer-based curriculum management system for music computer-assisted instruction" (with David Williams and Dennis Bowers). Bellevue, Washington: Temporal Acuity Products, Inc., in-house research document.

Software

- 2012 *mieRemote* - Yamaha Corporation of America via iTunes Store. (Jul 19, 2012). Update to iOS app that enables wireless remote control of desktop music instruction software via iPod, iPad, or iPhone device. This version was enhanced to include iPad mini
(<http://itunes.apple.com/us/app/mieremote/id467972364?mt=8>) [refereed]
- 2011 *mieRemote* - Yamaha Corporation of America via iTunes Store. (Oct 13, 2011). iOS app that enables wireless remote control of desktop music instruction software via iPod, iPad, or iPhone device.
(<http://itunes.apple.com/us/app/mieremote/id467972364?mt=8>) [refereed]
- 2011 *iHusker* - University of Nebraska-Lincoln via iTunes Store. (Aug 29, 2011). iOS app (version 1.2.1) that provides access to UNL content including School of Music audio and video performance as well as directory, map, and other services. For iPod, iPad, or iPhone device.
(<http://itunes.apple.com/us/app/ihusker/id363482898?mt=8>) [refereed]
- 2010 *iHusker*. iOS (Apple iPod Touch, iPhone, and iPad – v1.0) application for mobile devices that is the official iOS app for the University of Nebraska-Lincoln. Published by UNL via iTunes. [refereed]
- 2008 *MUSC189 iPod Apps*, New Media Center/School of Music, University of Nebraska. Development of a suite of iPod applications for support of MUSC189H (Technology and the Creative Scholar). These applications included the delivery of multimedia content (audio and movies) as well as pdf, web links, and other resources on a hand-held mobile device.
- 2008 *Graduate Application Tracking System*, School of Music, University of Nebraska. Development of a web-based system which allows faculty and student applicant tracking of admissions status. Includes administrative tools as well as web interface that interacts with FileMaker Pro databases.
- 2008 *Music In Education* (4.03), Yamaha Corporation of America, Buena Park, CA. Development of new software for the Music In Education 2nd Edition curriculum, *Student Songbook: Music In Education* and *Teacher Resources: Music In Education*. This software provides many new innovations such as a direct connect to iTunes playlists, computer based assessment, digital audio playback via remote control, and searching capabilities of curricular and musical content. The software also includes 155 MIDI arrangements based as well as 155 pdf notation files, all presented direct via the software (pdf and midi as embedded content)
- 2006 *Music In Education* (4.00), Yamaha Corporation of America, Buena Park, CA. Development of new software for the Music In Education 2nd Edition curriculum, *Student Songbook: Music In Education* and

Teacher Resources: Music In Education. This software provides many new innovations such as a direct connect to iTunes playlists, computer based assessment, digital audio playback via remote control, and searching capabilities of curricular and musical content. The software also includes 155 MIDI arrangements based as well as 155 pdf notation files, all presented direct via the software (pdf and midi as embedded content)

- 2005 *Student Data and Release Form Agreement* (1.0). School of Music, University of Nebraska-Lincoln. sole development of an LDAP authenticated access to student data and retrieval system using a MySQL database and web "front-end". Involved writing of database, client, and administrator modules. [<http://music2.unl.edu/index.html>]
- 2005 *Senior Practicum Evaluation* (1.0). School of Music, University of Nebraska-Lincoln. Development of a MySQL database driven web system where student teacher evaluations can be created and edited by both cooperating teacher and university supervisor simultaneously. Cooperating Teacher module: <http://music2.unl.edu/mued/coopteacherlogin.php>. University Supervisor module: <http://music2.unl.edu/mued/univsupervisorlogin.php>.
- 2002 *Music In Education*, (3.0.4). Yamaha Corporation of America, Grand Rapids, MI. Development of instructional software for use with MIE-2XG MIDI keyboard for the Macintosh OSX operating system. I served as the technical and instruction design lead and in fact created many of the components during 2002. Released November.
- 2000 *Music In Education*, (2.9.1). Yamaha Corporation of America, Grand Rapids, MI. Updated the 2.9.0 C++ based application for Windows as well as creating the installer for CD-ROM. This update added many new features such as the saving of song files and grade book features.
- 2000 Project Coordinator, *Music In Education*, version 2.9.0 for Windows. Responsible for leading technical team of 3 C++ programmers in a complete re-design and re-writing of the MIE software for the MIE-1 keyboard.
- 1996-9 *Music In Education*, (Versions 2.6 to 2.8.3). Yamaha Corporation of America, Grand Rapids, MI. Updated HyperCard based software producing, on average, two releases per year. Current version is 2.8.3f.
- 1995 *The Music Suite*, Yamaha Corporation of America, Grand Rapids, Michigan. Created 75 computer music files that correlate with the Student Book for this curriculum which teaches secondary students how to compose and improvise with technology.
- 1992-3 *Music In Education*, Yamaha Corporation of America, Grand Rapids, Michigan. (Created over 6000 musical examples in the form of MIDI computer files in conjunction with assessment software that provides students feedback in real-time)
- 1988 *Curriculum Launcher* with D. Williams and D. Bowers: Temporal Acuity Products, Inc., Bellevue, WA. (A universal microcomputer-based curriculum management operating system designed to work with some 40 published music education software programs.)
- 1988 *SKETCH THE SCALE*. Temporal Acuity Products, Inc., Bellevue, WA.
- 1988,85 *SEBASTIAN II*. Temporal Acuity Products, Inc., Bellevue, WA.
- 1988,84 *PICK THE PITCH*. Temporal Acuity Products, Inc., Bellevue, WA.
- 1988,84 *CATCH THE KEY*. Temporal Acuity Products, Inc., Bellevue, WA.
- 1985,82 *Music in Theory and Practice*, 3rd edition, Vol. 1 (editor): Temporal Acuity Products, Inc., Bellevue, WA. (author: Dr. Bruce Benward)
- 1982 *SEBASTIAN*. Temporal Acuity Products, Inc., Bellevue, WA.

Curriculum Development

- 2006 *Music In Education 2nd Edition*, Buena Park, CA: Yamaha Corporation of America. Developed and coordinated a curriculum writing team of music educators who authored the second edition of *Music In Education* (Yamaha Corporation of America). This revision involved creating new content including middle level and secondary level activities, instructional components stressing high level thinking and musical creativity (synthesis and compositions), and new song material/literature.

MAJOR RESEARCH PROJECTS

Current

- ◆ North Star Project – Aug 2004 through present – beginning with the fall 2004 semester, I worked with students enrolled in the music theory course at North Star High School (Lincoln, NE). The majority of these students were not in the school's musical ensembles, and in fact had little or no musical reading literacy at the beginning of the year. This project continues to be two-fold: (1) to develop a curricular approach to the development of student musical composition and (2) articulate the technological tools and techniques necessary help students "publish" their work. This project was the basis of a refereed presentation at the CMS/ATMI National Conference in November 2004
- ◆ iPod/iPhone/iPad Development – Development of apps for (1) focus of coursework in computer programming and (2) support of instruction, specifically MUSC189H (Technology and the Creative Scholar) and MUSC483 (Advanced Music Technology)

Ongoing

- 2002– Faculty Associate, New Media Center, UNL.
- 2002– Project Coordinator, *Music In Education* software for Macintosh OSX.
- 1998-06 Project Coordinator, *Music In Education* software for Windows. Beginning in 1998, I directed all technical aspects of the writing, from the "ground up", of a C++ (high-level computer language) Windows-based version of Music In Education software. As project coordinator, I worked closely with professional programmers in Seattle, Michigan, Texas and Japan as well making many programming modifications and enhancements myself.

Grant Proposals and External Funding

- 2014-17 Soh, L.-K. (Principal Investigator), Soh, L.-K. (Investigator), Shell, D. (Investigator), Moore, B. (Investigator), Ingraham, E. (Investigator), Ramsay, S. (Investigator), Computational Creativity, Sponsored/funded by NSF, Federal, Amount of funding: \$873,250.00, September 1, 2014–August 31, 2017
- 2013 *Phase II Seed Grant from the Pathway to Interdisciplinary Research Centers program* Grant Period: 07/01/2012 - 06/30/2013 Total Amount: \$75000 Granting Agency Name: Phase II Seed Grant from the Pathway to Interdisciplinary Research Centers program – Serve as Investigator @ 10% with partners from Arts & Sciences (Computer Science) as Education and Human Sciences.
- 2013 CPATH CDP: Renaissance Computing: Concept Development and Planning – Renaissance Computing @ UNL. Total Amount \$217970. Granting Period: 8/1/2008 – 7/31/2013. Granting Agency: National Science Foundation (NSF CNS-0829647). Serve as Investigator @ 11% with partners from Arts & Sciences
- 2012 UNL Information Services – Support for iPad2 Classroom - \$11642. Grant Period: 8/22/2011-6/30/2012
- 2010 UNL Information Services - Support for iPad Classroom – \$16977
Funding for classroom of 24 iPads, associated software, development resources and support for research & teaching for 2010-2011 Academic Year.
- 2010 Blackboard Seminar on Mobility – UNL Information Services – \$640
Travel Support for Participation at Blackboard & Mobility Conference - Blackboard Headquarters (San Francisco) and Stanford University
- 2009 National Science Foundation, CPATH – "A Comprehensive, Curriculum-Driven Approach to Broadening Participation in Computing through Integrating Computational and Creative Thinking (IC2Think)" (20% Co-PI) with Leen-Kiat Soh (PI) and other UNL faculty. Amount requested: \$599374 (amount funded = \$0) Integrate the core competencies of computational thinking and creative thinking and increase the engagement of non-traditional students through the development and delivery of new interdisciplinary Computer Science courses, CS1-Arts and CS1-Architecture.
- 2008-10 National Science Foundation, CPATH – \$149970
Renaissance Computing (11% Co-PI) with Leen-Kiat Soh (PI) and other UNL faculty. Includes the development of a level one Computer Science course with an arts perspective.
- 2007-09 Information Services, UNL – \$32,999
Technology 110: Social Computing for Scholars – the iPhone for Development and Delivery of Vodcasts for 21st Century Scholarship (primary investigator) with Todd Jensen
- 2007-08 Information Services, UNL – \$28,500

- Building an Enterprise Portal: Key Step toward SOA* (secondary investigator) with XaioFeng Chen and Kevin Borgeson
- 2006 National Science Foundation, *BPD-DP: Pathways to Computing through Multimedia*. Co/PI and second author of proposal request of \$597,786 (amount funded = 0) [May 2006]
- 2004 Hixson Lied Research/Creative Activity Travel Grant - \$1100
Travel grant to present at College Music Society/Association for Technology in Music Instruction National Conference, San Francisco, CA [Nov 2004]
- 2002 Yamaha Corporation of America, administered by UNL New Media Center - \$4062
Grant for development of prototype DVD for the application of technology in the music classroom,.
- 2002 Yamaha Corporation of America - \$10656
Grant received in the form of equipment for testing and development of software for the teaching of music composition. This equipment grant consisted of 12 MIE-2XG keyboards (\$888 per keyboard) that are now housed in the School of Music's technology lab (WMB 1.1). The grant allows the School of Music full use of these instruments for purposes beyond my immediate research and development needs. These instruments enabled the School of Music to update equipment that was nearly 10 years old at no cost to the University.
- 2000 Office of Extended Education and Outreach, University of Nebraska - \$1400
Travel Award for attendance at Apple World Wide Developer's Conference, San Jose, CA (May 2000)
- 2000 Apple Computer, Inc. – \$1350
Visiting Scholar support for attendance at Apple World Wide Developer's Conference, San Jose, CA (May 2000)
- 1999 Office of Extended Education and Outreach, University of Nebraska – \$7795
"Music Technology On-Line – Development of Interactive Streaming for Undergraduate and Graduate Courses in Music Education" – Funded proposal for the creation of a video/audio streaming resource in music technology.
- 1999 Information Technology Group, University of Nebraska – \$1215
In-kind resource commitment in support of "Music Technology On-Line – Development of Interactive Streaming for Undergraduate and Graduate Courses in Music Education"
- 1998 University of Nebraska College of Fine and Performing Arts – \$904
Travel award for presentation at Southern Division Music Educators National Conference
- 1997 University of Nebraska Foundation – \$70650
Award for Westbrook Distance Learning Site, written with Larry Mallett, Director of the School of Music, University of Nebraska. I developed the rationale and budget request that established Westbrook Recital Hall as an origination site for distance education and WWW content delivery.
- 1991-6 Research Consultant, Yamaha Corporation of America, Grand Rapids, MI.
Responsible for direction of national research on the effectiveness of Music In Education as well as development of future software technologies for music instruction. Funding for travel, materials, and research support.
- 1987–91 Research Consultant, Music In Education Project, Yamaha Corporation of America, Buena Park, CA.
This project developed a third grade music curriculum that focused on musical creativity via electronic keyboards and other technology. My area of responsibility was the design of all aspects of research, testing, evaluation and the reporting of findings. Approximately 3000 students were involved with schools in New Jersey, South Carolina, Florida, Iowa, Kansas, Texas, Nebraska, California, and Washington. Funding for travel, materials, and research.
- 1988 Teaching Council, University of Nebraska–Lincoln – \$300
Development of a Workbook for Beginning Conducting.
- 1987 Center for Research in Music and Technology, University of Nebraska–Lincoln. – \$10,000
Grant from the Layman trust that established a music computer center for research and instruction.
- 1981 Computer Assisted Music Instruction Center, Title IV–C Grant Proposal,– \$17,835.
Awarded June 29, 1981, this funding established a middle school music lab with microcomputer and synthesizer equipment, project director and staff development
- 1986–88 Curriculum Management Project, University of Nebraska–Lincoln, Illinois State University, and the Meadows School of the Arts (Southern Methodist University) with support from Temporal Acuity Products, Inc. and Apple Computer Inc.
The project concerns the development of a computer–based music curriculum management system that coordinates the sequencing and presentation of CAI learning/teaching modules. Funding: approximately \$25,000 in travel, software, hardware, and consultant fees.
- 1986–88 Macintosh Project, Computing Resource Center, University of Nebraska–Lincoln.
This project was the result of a grant from the Apple Computer Company through the UNL Computing Resource Center. Its focus was the development of instructional approaches in school learning environments using commercially available software in the area of musical creativity.

SERVICE CONTRIBUTIONS

Professional Service

- 2014-15 Member, Music Education Certification (Rule 24) Ad Hoc Committee, Nebraska State Department of Education. Review and Develop revisions to Rule 24 (Music Education Certification Requirements)
- 2014 *iPads in the Music Classroom* - workshop on music apps for the iPad that have application in K-12 music settings. January 14, 2014 – ESU 9, Hastings, NE. Developed digital textbook for participants in the workshop.
- 2013 *iPads in the Music Classroom* - workshop on music apps for the iPad that have application in K-12 music settings. June 7, 2013 – ESU 6, Milford, NE. Developed digital textbook for participants in the workshop.
- 2012 *iPads in the Music Classroom* - workshop on music apps for the iPad that have application in K-12 music settings. Sept 17, 2012 – ESU 10, Kearney, NE. Developed digital textbook for participants in the workshop
- 2011 *Music Apps for iPad* - workshop on music app for the iPad that have application in K-12 music settings. Oct 27, 2011 – Music Staff, Lincoln (NE) Public Schools
- 2011 ESU 16 - Inservice on iPads in Music Settings (two day inservice for ESU 16, Ogallala, NE)
- 2010 2011 Technology Academy for MENC Week In Washington, June 2011. Chair.
- 2009-10 Technology Academy for MENC Week in Washington, June 2010. Co-Chair with Lance Nielsen.
- 2010 Lincoln Public Schools, Lincoln, NE (Music Technology in the Classroom - Hands On With Composing/Arranging)
- 2010 Nebraska Music Educators Association – Presenter for State Conference (“Help from the Tech Geeks” and “MEWW Technology Academy 2010 and Beyond”) (Lincoln, NE)
- 2009 Texas Music Educators Association - Presenter for State Conference - Feb 12-14, 2009, San Antonio, Texas
- 2008 ESU 4 Inservice Presentations – Nebraska City, NE (Technology and General Music at the Secondary Level)
- 2007 External Music and Fine Arts Reviewer – Malcolm Public Schools (Malcolm, NE)
- 2007 Doane College, Music Department – Consultant for development of music technology lab.
- 2006 American Orff-Schulwerk Association, National Conference (Omaha NE) – proposed, oversaw and administered all aspects of the first ever technology lab for a national Orff conference. This included arranging for corporate sponsorship and participation in the loaning of computers, music technology and software. (Apple, Sibleius, Yamaha)
- 2005 External Reviewer for Promotion to Full Professor (Dr. Fred Rees), Indiana University-Purdue University Indianapolis.
- 2000 TI:ME (Technology Institute for Music Educators) – Member, National Advisory Board
- 2000 Reviewer for chapter on Distance Education, *Handbook of Research on Music Teaching and Learning*, 2nd edition, Richard Colwell, editor
- 1999 Commission Member/Advisor for Vision 20/20 – “What are the societal and technological changes that will influence teaching music?”
- 1999 Member, MENC Task Force on Music Technology
- 1996 External Reviewer, Department of Music, Omaha Public Schools
- 1993– Nebraska Chapter of ASTA (American String Teachers Association), Junior High/Middle School Orchestra Festival, Kimball Hall, local site organizer and sponsor. (2nd weekend in May)
- 1989–91 Chair, College/University Affairs, Nebraska Music Educators Association
- 1984–86 State Superintendent's Task Force for Development of Wisconsin State Music Curriculum Guide
- 1982–83 President, Wisconsin String Teachers Association

University Service – University of Nebraska

- 2015- Member, Faculty Advisory Committee for the Nebraska Innovation Campus
- 2010-12 Chair, University Curriculum Committee
- 2010-12 Chair, Achievement Centered Education (ACE) Subcommittee
- 2010-12 Member, Information Technology Cost Reducing Task Force
- 2009-12 Member, Achievement Centered Education (ACE) Subcommittee

- 2009-10 UCC Representative to CREQ System. Faculty liaison between UCC/ACE and CREQ (course approval system)
- 2009-10 On-Line Undergraduate Bulletin Committee (Office of Undergraduate Studies). Member of Planning Group Responsible for Development and Deployment of the On-line Version of the Undergraduate Bulletin
- 2006 – 12 Member, University Curriculum Committee (UCC)
- 2006 – 14 Member, Web Advisory Committee
- 2009 19th Annual Campus-Wide Workshops for Graduate Teaching Assistants. "Engaging Students More Effectively with Powerpoint or Other Presentation Software" (Presentation)
- 2005-06 Chair, Next Generation Web Committee – University Committee charged with (1) oversight of the Next Generation Redevelopment Group and (2) crafting of a white paper on recommendations for UNL's web presence, infrastructure, and goals for the next 5 years.
- 2005-06 Member, Next Generation Redevelopment Group – university-wide committee of designers and programmers with goal to develop the next set of UNL web templates for deployment Fall 2006
- 2002-05 Member, Integrated Learning Environment Portal Project Team (ILE-PPT)
- Hixson-Lied College of Fine & Performing Arts, University of Nebraska**
- 2005-09 Member, Curriculum Committee
- 2002-05 Member, Executive Committee
- 2002-08 Member, Technology Committee
- College of Education and Human Sciences**
- 2005-08 Consulting and assisting in development of on-line assessment and database tracking of practicum students
- School of Music, University of Nebraska**
- 2014-15 Member, Search Committee for Assistant Professor of Music Composition and Emerging Digital Media
- 2014-15 Member, Search Committee for Assistant Profess of Art (Graphic Design and Data Visualization)
- 2012-14 Support and maintenance for Music Education On Line Evaluation System (<https://music2.unl.edu/mued/eval31/login.php>)
- 2010 Member, Search Committee for Assistant Professor of Music Composition and Digital Arts.
- 2009 School of Music & Nebraska Department of Education: *Accreditation of Music Education Program*
Lead all efforts in music education for the re-accreditation of our program with the State of Nebraska - includes web site & portfolio development: [http://www.unl.edu /musiced/NDE/](http://www.unl.edu/musiced/NDE/)
- 2009 – 11 Graduate Application Tracking System
- 2009 – 12 Undergraduate Audition Tracking System
- 2005-08 Member, Executive Committee
- 2006 Member, Search Committee for Assistant Professor of Practice, Instrumental Music Education
- 2005-06 Member, Search Committee for Senior Lecturer – Instrumental Music Education
- 2004-08 Chair, Music Education
- 2004-06 Co-Administrator, School of Music web site (www.unl.edu/music) (with Michele Deaton)
- 2004 – Coordinator of Faculty, Staff, and Student group lists on Blackboard
- 2002 – 11 Chair, Web Committee
- 2014 – Chair, School of Music Technology Committee
- 2011 – Member, School of Music Technology Committee
- 2000-09 Administrator, School of Music music education web site (www.unl.edu/musiced) (including support for online student teacher evaluations)
- 2002-04 Member, Undergraduate Curriculum Committee
- 2002-04 Directed creation of Braille music scores, including working with Office of Students with Disabilities to install and implement the technology to accomplish this ongoing task.
- 2001-04 Administrator, School of Music web site (www.unl.edu/music)
- 2001-08 Coordinator of Music Field Experiences (responsible for all music education and dance practica placements as well as supervising those faculty and GTA who undertake off-campus supervision.)
- 2001 – Advisor, Music Education and music technology minor

- 2000-09 Coordinate, schedule and supervise undergraduate lab consultants for Westbrook Room 1.1
 2000 – Oversee maintenance of Westbrook Room 1.1
 1990-93 Executive Committee / Chair, Ad Hoc Undergraduate Curriculum Study Committee
 Recruiting Committee, School of Music, University of Nebraska-Lincoln
 Learning Theory/Piano Pedagogy Liaison Committee, National Conference on Piano Pedagogy
 Sept 1987 Co-Coordinator of *First Annual Young Artists Weekend for Strings*, University of Nebraska-Lincoln
 School of Music
 1986-93 Undergraduate Studies/Curriculum Committee
 1986- Music Education Committee, Music Education Graduate and Undergraduate Advisor

Search Committees

- Music Education: Assistant Professor of Practice Instrumental Music, Senior Lecturer Instrumental Music, Secondary Choral, Elementary General, Instructor
- Theater Arts: Film and New Media Professor
- Orchestra/Strings: Director of Orchestral Activities, Professor of Violin, Professor of Viola
- Wind & Percussion: Assistant Director of Bands, School of Music
- Education/Outreach Director for the Lied Center for Performing Arts

Other University Service

- 1996-08 Department Liaison to the University Roundtable for Technology Teaching, Learning, and Technology Roundtable (TLTR)
 1993-94 Curriculum Committee, College of Fine and Performing Arts

Administrative Experience

- 2004-08 Chair, Music Education, University of Nebraska-Lincoln: Responsible for issues of teaching assignments, load and scheduling, curriculum development and program oversight.
 1987-10 Network Administrator, School of Music, University of Nebraska-Lincoln: Responsible for all aspects of developing and maintaining the Macintosh Local Area Network (LAN) for the administrative aspects of the School of Music
 1987-95 Coordinator of Music Field Experiences, University of Nebraska-Lincoln: Responsible for coordinating all administrative aspects of field placements for music education undergraduate students, including practicum and student teaching experiences
 1982-84 Computer Education Coordinator, Verona Area School District, Verona, WI

AWARDS

National in Scope

- 2013 *Apple Distinguished Educator* – Apple Inc. “*Apple Distinguished Educators are part of a global community of education leaders recognized for doing amazing things with Apple technology in and out of the classroom.*”
- Hixson-Lied College of Fine & Performing Arts, University of Nebraska**
- 2015 *Certificate of Recognition for Contributions to Students* – UNL Teaching Council and Parents Association. Nomination by parents/students as a faculty/staff member who “has made a significant contribution to their lives while at UNL”
- 2014 *Leadership Award in Curriculum or Programmatic Development* - Hixson-Lied College of Fine and Performing Arts. Award in recognition of exemplary accomplishment in curriculum development, specifically effort in ‘red2go’ technology development and deployment.
- 2012 *Achievement Award in Academic Advising* - Hixson-Lied College of Fine and Performing Arts. Award in recognition of exemplary accomplishment in academic advising
- 2010 *Certificate of Recognition for Contributions to Students* – UNL Teaching Council and Parents Association. Nomination by parents/students as a faculty/staff member who “has made a significant contribution to their lives while at UNL”
- 2009 *Hixson-Lied Faculty Award for Outstanding Outreach, Engagement, or Service*. First recipient of this award, given in recognition of the 2008-09 academic year.

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