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EDUCATION

Doctor of Philosophy *in Music Technology*, Northwestern University, *1999 - 2005*
　　　　Concentrations: Granular Synthesis, Performance Systems, Audio Installations
　　　　Dissertation: *A Simplified Granular Processing Interface Based on Perceptual Research*

Bachelor of Music *in Digital Arts*, Stetson University, DeLand, FL, *1995 - 1999*
　　　　Concentrations: Music Technology, Web Application Development

TEACHING EXPERIENCE

Associate Professor, Fall 2010 – present; **Assistant Professor**, Fall 2005 – Spring 2010
Department Chair, Fall 2011 – present; **Program Director**, Fall 2008 – Spring 2011
　　　　College of Arts & Sciences and School of Music, Stetson University

Assistant Professor, Fall 2004 – Spring 2005
　　　　Music Department, University of Hawaii at Manoa

Visiting Lecturer, Fall 2003 – Spring 2004
　　　　School of Music and Digital Arts Program, Stetson University

Visiting Lecturer, Fall 2002 – Spring 2003
　　　　Audio Arts & Acoustics Department, Columbia College Chicago

Teaching Assistant, Winter 2002
　　　　School of Music, Northwestern University

Graduate Instructor, Fall 2001 & Fall 2000
　　　　School of Music, Northwestern University

RELATED RESEARCH AND PROFESSIONAL EXPERIENCE

　　　　C++ Developer for *Jamoma*. November 2010-present. Contribute to open source software library for computer music and interactive arts applications; participate in decision making with small, international team of developers; report and resolve issues through online tracking system.

　　　　Project Consultant for *Chakra Spiral* (original 2014 and xmix 2016) by Virgil Moorefield. May 2014-November 2016. Implementation of custom audio and visual performance software using Max and Processing in consultation with the composer and members of the Bicontinental Pocket Orchestra; on site technical producer and visual performer during world premiere concert at Kunsthaus Zürich (2014) and Kirchgemeindehaus Aussersihl Zürich (2016).

　　　　Fulbright Scholar to Norway. August 2012-January 2013. Worked in residence at the Bergen Center for Electronic Art on significant enhancements to Jamoma with Trond Lossius; visited several music programs at universities around Norway to give lectures on my research and creative work; networked with members of the electronic music and sound art community in and around Bergen.

Music Director for *Mobile Performance Group.* January 2004-January 2013. Oversaw creative decisions, technical developments and performance preparations for music and audio components of multimedia performances; coordinated overall vision with Creative Director (Matt Roberts); planned logistics for travel with student artists.

Project Manager for *Ringtone Project.* October 2008-May 2009. Lead a team of three student professionals in the creation of over 100 ringtones and sound effects for a Fortune 500 company; negotiated contract terms; composed and produced over 20 ringtones personally.

Co-Developer for *Hipno.* December 2003-May 2009. Designed and programmed plug-ins for new product released by Cycling'74, makers of Max/MSP & Pluggo; worked with other developers at Electrotap to test product and write documentation prior to release.

Audio Technician at *First Presbyterian Church of Evanston.* February 2001-June 2003. Live and recording audio engineering for weekly services and special events; work with guest artists including the Jubilate Children's Choir, North Park University Gospel Choir, John Easterlin and Roberta Thomas; Inventory development and management; Liaison for contracted audio enhancements.

Project Consultant for *Thomas and Beulah* by Amnon Wolman. January 2000-January 2001. Implementation of custom audio and MIDI performance software using Max/MSP in consultation with the composer; Monitoring performance system during rehearsals and world premiere at the Museum of Contemporary Art (Chicago, IL).

SELECTED PERFORMANCES AND EXHIBITIONS

A Wish for the Displaced. **Technical producer, visual performer, programmer.** 29-30 October 2016. Kirchgemeindehaus Aussersihl Zürich (Switzerland).

attack. **Sound artist.** October-November 2016. Included in the SOUND exhibit at Crisp-Ellert Art Museum (Flagler College - St. Augustine, FL). Curated by Michael Dickins and Barry Jones.

every tree. **Sound artist.** 14 August-17 October 2015. Included in the Faculty Focus exhibit at the Hand Art Center (Stetson University - DeLand, FL). Curated by Tonya C. Curran.

attack. **Sound artist.** 20 January-6 February 2015. Included in the SOUND exhibit at Trahern Gallery in (Austin Peay State University - Clarksville, TN). Curated by Michael Dickins and Barry Jones.

New Visual Music. **Technical producer, visual performer, programmer.** 1-2 November 2014. Kunsthaus Zürich (Switzerland).

harbour view. **Sound artist.** 14-16 September 2012. Included in the B-Open 2012 presentation at the Bergen Center for Electronic Arts (Norway). Curated by

Collective Sites (Baton Rouge). Mobile Performance Group. **Music director, programmer, performer.** 15 April 2012. Campus of Louisiana State University (Baton Rogue, LA). Part of the Symposium for Laptop Ensembles and Orchestras (SLEO).

attack. **Sound artist.** 4 November 2011. University of Richmond's Modlin Center for the Arts (Richmond, VA). Part of the Third Practice Electroacoustic Music Festival.

must contain / being directly / also apply. **Composer.** 21 October 2011. Urban Culture Project's La Esquina gallery space (Kansas City, MO). Invited by the Kansas City Electronic Music & Arts Alliance.

also apply. **Composer.** 20-22 January 2011. University of Miami (Miami, FL). Part of the Society for Electro-Acoustic Music in the United States (SEAMUS) national conference.

Collective Sites (Indianapolis). Mobile Performance Group. **Music director, programmer, performer.** 24 April 2010. Indianapolis Central Library (Indianapolis, IN). Part of the IUPUI Intermedia Festival of Telematic Arts.

desire for. **Composer, performer.** 6 December 2009. Harold Golen Gallery (Miami, FL). Part of the Beauty Horror Silence Festival and 12 Nights.

Collective Sites (UCF). Mobile Performance Group. **Music director, programmer, performer.** 26 February 2009. University of Central Florida's Colbourn Hall (Orlando, FL). Part of the College Music Society (CMS) Southern Chapter Regional Conference.

Orbital Studies. Paulo Chagas, Caio Pagano and Nathan Wolek. **Electronics co-composer and performer.** 13-14 September 2008. Espaço Cultural CPFL (Campinas, Brazil) and SESC Vila Mariana (Sao Paulo, Brazil). Part of the 43rd Festival Música Nova.

Collective Sites (San Diego). Mobile Performance Group. **Music director, programmer, performer.** 5-6 October 2007. San Diego State University's Smith Recital Hall (San Diego, CA). Part of the New West Electronic Arts & Music Organization, an international festival of electro-acoustic music.

Selections from ISEA and Conflux. Mobile Performance Group. **Music director, programmer, performer.** 9 November 2006. Columns Hotel (New Orleans, LA). Part of the International Computer Music Conference 2006.

Collective Sites (Brooklyn). Mobile Performance Group. **Music director, programmer, performer.** 16 September 2006. Barcade (Brooklyn, NY). Part of the Conflux Festival.

Parking Spaces (San Jose). Mobile Performance Group. **Music director, programmer, performer.** 10-12 August 2006. Various downtown locations (San Jose, CA). Part of the 13th annual International Symposium of Electronic Arts (ISEA).

Parking Spaces (Gainesville). Mobile Performance Group. **Music director, programmer, performer.** 6 April 2006. University of Florida Center for the Performing Arts (Gainesville, FL). Part of the 15th annual Florida Electroacoustic Music Festival.

Events. Matt Roberts and Nathan Wolek. **Composer, performer.** 23 February 2006. Nomad World Pub (Minneapolis, MN). Part of the Spark Festival of Electronic Music and Art.

Parking Spaces (Tampa). Mobile Performance Group. **Music director, programmer, performer.** 21 October 2005. Tampa Union Station (Tampa, FL). Part of Post Industrial Carnival.

Events. Matt Roberts and Nathan Wolek. **Composer, performer.** 24 October 2004. Roundhouse Community Centre (Vancouver, BC). Part of the New Forms Festival 2004, an International Festival of Media Arts.

Park 'n Ride. Mobile Performance Group. **Audio team leader, programmer.** 15 April 2004. Pine Street (Orlando, FL). Part of the Third Thursday Art Happenings.

Events. Matt Roberts and Nathan Wolek. **Composer, performer.** 19 & 20 March 2004. HCC Ybor Performing Arts Theater (Tampa, FL). Part of the Ybor City Festival of the Moving Image.

Park 'n Ride. Mobile Performance Group. **Audio team leader, programmer, performer.** 18 March 2004. Centro Ybor Plaza in Ybor City (Tampa, FL). Part of the Ybor City Festival of the Moving Image.

need not. NMCP with special guest Matt Roberts. **Director, programmer, performer.** 4 December 2003. Advanced Digital Music Lab at Stetson University (DeLand, FL). Part of the FMAN digital arts showcase.

I'll have an Electric Mahabarata, please. Anthony Cornicello. **Live electronics assistant.** 8 November 2003. Elizabeth Hall Auditorium at Stetson University (DeLand, FL). Part of the Society of Composers, Inc. (SCI) 2003 Region IV Conference.

Contrast Settings & *Real Time Psycho Active Time.* Lucid Dream Ensemble. **Member, programmer, performer.** 11 May 2003. Block Museum at Northwestern University (Evanston, IL). Part of the New Music Marathon.

He Who Gets Slapped. Lucid Dream Ensemble. **Member, programmer, performer.** 26 April 2003. Block Museum at Northwestern University (Evanston, IL). Part of the Block Cinema's Silent Film Series.

distract/change. Lucid Dream Ensemble. **Member, programmer, performer.** 27 March 2003. Museum of Contemporary Arts (Chicago, IL). Part of the version 03 festival.

Real Time Psycho Active Time. Lucid Dream Ensemble. **Member, programmer, performer.** 16 March 2003. Digital Arts Ranch at Arizona State University (Tempe, AZ). Part of the SEAMUS 2003 national conference.

S. Christophe Havel. **Live electronics.** 4 June 2002. Regenstein Recital Hall at Northwestern University (Evanston, IL).

Pleasant Amnesia. Lucid Dream Ensemble. **Member, programmer, performer.** 25 May 2002. Block Museum at Northwestern University (Evanston, IL). Part of the Northwestern University Center for Art and Technology's second annual symposium.

Dancing with the Devil at the Crossroads. Renee Alexander. **Sound diffusion and live electronics.** 1-3 February 2002. Wallis Theater at Northwestern University (Evanston, IL).

Thomas and Beulah. Amnon Wolman and Rita Dove. **Live sound engineer and live electronics assistant.** 18-21 January 2001. Museum of Contemporary Arts (Chicago, IL). Performance recording released by Innova Recordings.

PUBLICATIONS

Model-View-Controller separation in Max using Jamoma. 2014. Co-authored with Trond Lossius (lead author), Théo de la Hogue, Pascal Baltazar, Timothy Place, and Julien Rabin. Proceedings of the joint 40th International Computer Music Conference (ICMC) & 11th Sound and Music Computing (SMC) Conference, Athens Greece, pp 1573-1580.

Demo: Using Jamama's MVC features to design an audio effect interface. 2014. Co-authored with Trond Lossius (lead author), Théo de la Hogue and Pascal Baltazar. Proceedings of the joint 40th International Computer Music Conference (ICMC) & 11th Sound and Music Computing (SMC) Conference, Athens Greece, pp 1792-1793.

Media representations of the laptop as musical instrument. 2012. Extended abstract. Proceedings of the Symposium for Laptop Ensembles and Orchestras (SLEO) at Louisiana State University in Baton Rouge, LA.

CD Review: Erdem Helvacioglu – Altered Realities. 2008. Array: the Journal of the ICMA, 2007-2008 double issue.

CD Review: Bob Gluck – Electric Brew. 2008. Array: the Journal of the ICMA, 2007-2008 double issue.

Hipno: Getting Started. 2005. Co-authored with Timothy Place (lead author) and Jesse Allison. Software manual for Cycling'74 and Electrotap.

Concert Review: Day 3 of SCI Region IV Conference. 2004. SCI Newsletter, Issue XXXIV: 1.

Granular Toolkit v1.0 for Cycling74's Max/MSP. 2001. Journal SEAMUS, Volume XVI, No. 2, pp 34-46.

PRESENTATIONS

Demo: Using Jamama's MVC features to design an audio effect interface. 2014. Presented with Trond Lossius (lead author), Théo de la Hogue and Pascal Baltazar at the International Computer Music Conference (ICMC) and Sound & Music Computing (SMC) joint conference in Athens, Greece.

The potential of any sound. 2012. Invited lecture & performance for TEDxFulbright at the Deutsches Architekturmuseum in Frankfurt am Main, Germany.

Granular extensions to the Jamoma DSP framework. 2012. Presented at Musikkteknologidagene at Norwegian Academy of Music in Oslo, Norway.

Any sound is available for musical purposes (Artist Talk). 2012. Invited presentation for Musikkteknologidagene at Norwegian Center for Technology in Music and Art (NOTAM) in Oslo, Norway.

Media representations of the laptop as musical instrument. 2012. Presented at the Symposium for Laptop Ensembles and Orchestras (SLEO) at Louisiana State University in Baton Rouge, LA.

Enhancing musical skills through sound design. 2011. Invited presentation for the Florida Music Educators Association (FMEA) Annual Clinic-Conference in Tampa, FL.

The MPG Carepackage: coordinating collective improvisation in Max/MSP. 2010. Presented at the Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference at St. Cloud State University (MN).

Laptop = Instrument? 2010. Invited presentation for the Florida Music Educators Association (FMEA) Annual Clinic-Conference in Tampa, FL.

MPG. 2009. Invited presentation for the Florida Electro-Acoustic Student (FEASt) Festival at Florida International University in Miami, FL.

Teaching Musical Concepts through Multimedia Performance. 2009. Presented at the College Music Society (CMS) Southern Chapter Regional Conference at the University of Central Florida.

The Online Graphical Community as a Potential Interface for Interactive Music Performance. 2008. Co-authored with Megan England (lead author). Presented at the Spark Festival of Electronic Music and Art at University of Minnesota and the Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference at University of Utah.

Pursuing NASM approval for an undergraduate music technology degree. 2007. Presented at the 2007 Association for Technology in Music Instruction (ATMI) in Salt Lake City, UT.

Discussion boards as a platform for sharing composition assignments. 2007. Invited digital poster. Presented at the College Music Society (CMS) Pre-Conference Technology Boot Camp.

The Laptop Ensemble as a Pedagogical Tool. 2006. Panel co-chair with Virgil Moorefield. Presented at the International Computer Music Conference (ICMC) at Tulane University.

Perceptually significant features of granular processing. 2006. Presented at the international symposium on The Creative and Scientific Legacies of Iannis Xenakis in Ontario, Canada.

Exploring New Places for New Music. 2006. Invited panelist. Presented by the Canadian League of Composers as part of the soundaXis fetival in Ontario, Canada.

Music technology in higher education: different models, common issues and future trends. 2003. Co-authored with Peter V. Swendsen. Presented at the Association for Technology in Music Instruction (ATMI) Meeting in Miami, Florida.

Understanding the Perception of Granular Processing. 2003. Co-authored with Gary S. Kendall and Scott D. Lipscomb. Presented at the Society for Music Perception and Cognition (SMPC) Biennial Meeting at University of Nevada, Las Vegas.

A Granular Toolkit for Cycling74's Max/MSP. 2002. Presented at the Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference at University of Iowa.

GRANTS

Summer Research Grant. *Hosting a Jamoma developers' workshop*. Stetson University Professional Development Committee, Summer 2015.

Research Grant. *Merging, Enhancing and Extending Software Tools for Computer Music*. Council for Exchange of International Scholars and US-Norway Fulbright Foundation, August 2012 - January 2013.

Hand Grant for Course Development. *Teaching musical concepts through electronic music*. Stetson University, Summer 2007.

Graduate Summer Research Grant. *Completion of PhD Candidacy Requirements,* Northwestern University, Summer 2002.

Graduate Summer Research Grant. *Granular Synthesis Toolkit Development,* Northwestern University, Summer 2001.

UNIVERSITY SERVICE

Creative Arts Department Chair (Fall 2011-present)
Coleman Foundation Faculty Fellow (Fall 2014-Summer 2016)
Brown Teacher-Scholar Search, Chair (Fall 2015-Spring 2016)
Computer Science Faculty Search (Fall 2015-Spring 2016)
Visiting Digital Arts Faculty Search, Chair (Fall 2015)
Arts Entrepreneurship Task Force (Fall 2013-Fall 2014)
Digital Arts Faculty Search, Chair (Fall 2013-Spring 2014)
Hand Art Center Director Search, Chair (Summer 2013)
Digital Arts Program Committee (Fall 2005-Spring 2011, Chair: Fall 2008-Spring 2011)
Academic Technology Committee (Fall 2007-Spring 2011, Chair: Fall 2009-Spring 2011)
Digital Arts Faculty Search, Chair (Fall 2010-Spring 2011)
Art History Faculty Search (Fall 2010-Spring 2011)
University Strategic Planning Workshop Contributor (Dec 2010-April 2011)
Publications Board, At-Large Member (Fall 2006-Fall 2009)
Digital Arts Visiting Lecturer Search, Chair (Spring 2009)
McMahan Hall Design Advisory Committee (Fall 2007-Spring 2009)
Faculty Interviewing Group for University President Search (October 2008)
Undergraduate Research Committee (Fall 2005-Spring 2006)

PROFESSIONAL MEMBERSHIPS (* indicates current)

International Computer Music Association (ICMA) *
Society for Electro-Acoustic Music in the United States (SEAMUS) *
Society for Arts Entrepreneurship Education (SAEE) *
Audio Engineering Society (AES) *
Association for Technology in Music Instruction (ATMI)
College Music Society (CMS)
Phi Mu Alpha Sinfonia

PROFESSIONAL SERVICE

xCoAx 2016 International Conference Scientific Committee (February 2016)
Alliance for the Arts in Research Universities Peer Reviewer (November 2015)
xCoAx 2015 International Conference Scientific Committee (February 2015)
xCoAx 2014 International Conference Scientific Committee (February 2014)
SEAMUS National Conference Selection Committee (November 2013)
Organised Sound Peer Reviewer (June 2013)
xCoAx 2013 International Conference Scientific Committee (March 2013)
SLEO Conference Executive Committee (May 2011- April 2012)
ASCAP/SEAMUS National Student Commission Competition Judge (Dec 2010)
Banner Center for Digital Media, Education Steering Committee (Oct 2008-May 2009)

HONORS AND AWARDS

Lydia Pfund Endowed Professor, Stetson University, 2015-present.
Coleman Entrepreneurship Faculty Fellow, Coleman Foundation, 2014-2016.
Fulbright Scholar, US-Norway Fulbright Foundation, 2012-2013.
University Fellowship, Northwestern University, 1999-2000.
Music Scholarship, Stetson University, 1995-1999.
Academic Scholarship, Stetson University, 1995-1999.
Omicron Delta Kappa (Leadership Honorary), 1999.
Pi Kappa Lambda (Music Honorary), 1998.