



## EDUCATION

- 2010 – 2015      Doctor of Musical Arts, Composition – The University of Texas, Austin, TX  
Primary Instructors: Russell Pinkston, Bruce Pennycook, Dan Welcher, Don Grantham  
Dissertation: Singularity for Wind Ensemble and Live Electronics
- 2008 – 2010      Master of Music, Composition – The University of North Texas, Denton, TX  
Primary Instructors: Jon C. Nelson, Cindy McTee, David Bithell  
Thesis: Fractus I for Trumpet in C and Electronic Sound
- 2004 – 2008      Bachelor of Arts, Music, with honors – Brown University, Providence, RI  
Primary Instructors: Gerald Shapiro, James Baker, Matthew McGarrell  
Honors Project: Music for Wind Ensemble and Three Soloists

## TEACHING

- 2015 – present      Assistant Professor of Music Theory and Composition, Ball State University, Muncie, IN  
MMP 125: Acoustics  
MUST 241: Computer Music 1  
MUSP 436: Laptop Ensemble  
MUST 444: Human-Computer Interface Design  
MUST 625: Electronic Music Studio 1  
MUST 729: Composition
- 2013 – 2015      Assistant Instructor, The University of Texas, Austin, TX  
MUS 329E: Introduction to Electronic Media  
MUS 329G: Intermediate Electronic Composition  
MUS 329J: Intermediate Computer Music with SuperCollider
- 2013 – present      SuperCollider Video Tutorials, [www.youtube.com/user/elifieldsteel](http://www.youtube.com/user/elifieldsteel)
- 2011 – 2013      Private Composition Lessons, Austin, TX
- 2006 – 2008      Teaching Assistant, Brown University  
MUSC 0400: Introduction to Music Theory

## AWARDS

- 2014      James E. Croft Grant for Young and Emerging Composers  
Sole Recipient, Atlantic Coast Conference Band Directors Association
- 2012      ASCAP/SEAMUS Student Commission Competition  
First prize, Fractus I  
Austin Critics Table Awards  
Nominee, Short Ride in a Used '98 Honda
- 2011      Dallas Symphony Orchestra Fanfare Competition  
Winner, At the Speed of Sound
- 2010      Frank Ticheli Competition  
Finalist, Fantasy for Wind Symphony  
UNT Symphony Orchestra Concerto Competition  
Winner, Cordillera
- 2009      Bandmasters' Academic Society of Japan  
First Prize, Fantasy for Wind Symphony  
David M. Schimmel Memorial Composition Scholarship  
The University of North Texas
- 2008      Jean and Francis Madeira Award  
Brown University Department of Music

## PRESENTATIONS & PUBLICATIONS

- 2015 SuperCollider Workshop  
Electroacoustic Barn Dance, University of Mary Washington, Fredericksburg, VA  
Perform.sc: A Generalized Electroacoustic Performance Environment  
Electroacoustic Barn Dance, University of Mary Washington, Fredericksburg, VA  
Fractus III: Aerophoneme  
*Pheromone* – Meerenai Shim, Aerocade Music  
Master Class: Fractus V and the Collaborative Process  
Texas A&M University-Commerce, Commerce, TX  
The University of North Texas, Denton, TX
- 2012 Fractus I  
Music from SEAMUS Vol. 22 – Jared Broussard, trumpet
- 2011 At the Speed of Sound  
David Lovrien, Lovebird Music – [www.lovebirdmusic.com](http://www.lovebirdmusic.com)

## PEER-REVIEWED & INVITED CONFERENCES

- 2016 SEAMUS National Conference (accepted) – Georgia Southern University, Statesboro, GA
- 2015 Third Practice – The University of Richmond, Richmond, VA  
Electroacoustic Barn Dance – University of Mary Washington, Fredericksburg, VA  
International Computer Music Conference – The University of North Texas, Denton, TX  
Root Signals Electronic Music Festival – Jacksonville University, Jacksonville, FL  
SEAMUS National Conference – Virginia Polytechnic Institute and State University, Blacksburg, VA  
N\_SEME – Bowling Green State University, Bowling Green, OH
- 2014 Electronic Music Midwest – Lewis University, Romeoville, IL  
Electric LaTeX – The University of North Texas, Denton, TX  
SEAMUS National Conference – Wesleyan University, Middletown, CT
- 2013 Electroacoustic Barn Dance – University of Mary Washington, Fredericksburg, VA  
Electric LaTeX – Tulane University, New Orleans, LA  
CEMIcircles – The University of North Texas, Denton, TX  
SuperCollider Symposium – The University of Colorado, Boulder, CO  
SEAMUS National Conference – McNally Smith College of Music, St. Paul, MN
- 2012 Electric LaTeX – Louisiana State University, Baton Rouge, LA  
SEAMUS National Conference – Lawrence University, Appleton, WI

## NOTABLE PERFORMANCES

- 2015 Nov 23 UNC Wind Ensemble – *Singularity* (premiere)  
The University of North Carolina, Chapel Hill, NC
- 2014 Mar 7 Brown Wind Symphony (Fieldsteel Conducting) – *Fantasy for Wind Symphony*  
Brown University 250th Anniversary Celebration, Brown University, Providence, RI
- 2012 Oct 27 Brown Wind Symphony (Fieldsteel conducting) – *Fantasy for Wind Symphony*  
Christina Paxson Presidential Inauguration Ceremony, Brown University, Providence, RI
- 2012 Apr 19 Lena Kildahl, principal flute, Århus Symphony Orchestra – *Fractus III: Aerophoneme*  
Royal Academy of Music, Århus, Denmark
- 2012 Feb 14 Dallas Wind Symphony – *At the Speed of Sound* (premiere)  
Meyerson Symphony Center, Dallas, TX
- 2010 Feb 11 Kawagoe Sohwa Wind Ensemble – *Fantasy for Wind Symphony*  
Tokyo, Japan

## SELECTED COMPOSITIONS

- 2015 *[untitled]* – disklavier and live processing (in progress)  
*Brain Candy* – laptop, sensor gloves, Arduino, multi-touch control surface 6'
- 2014 *Sixxis* – solo percussion 1'  
*Singularity* – wind ensemble & live electronic sound 15'
- 2013 *Fractus V: Metal Detector* – percussion & live stereo electronics 6'
- 2012 *Fractus IV: Bonesaw* – trombone & live quadraphonic electronics 10'30  
*Hot Cold Ground* – wind symphony, 9'
- 2011 *No Holds Barred/No Bars Held* – trumpet, two marimbas & drum set 9'30  
*Romanza* – wind symphony 5'  
*Peace* – piano & soprano 5'30  
*Short Ride in a Used '98 Honda* – stereo fixed media 10'30  
*Fractus III: Aerophoneme* – flute & live quadraphonic electronics 12'
- 2010 *SuperCollider Étude I* – stereo fixed media 5'  
*Fractus II* – viola & live stereo electronics 11'  
*Chandeli(e)ar* – stereo fixed media 5'  
*Fractus I* – trumpet & live stereo electronics 11'
- 2009 *Cordillera* – orchestra 5'  
*At the Speed of Sound* – brass & percussion 2'45  
*Drift* – flute, viola, cello & piano 7'  
*Displacement* – stereo fixed media 6'30
- 2008 *Music for Wind Symphony and Three Soloists* – wind symphony 27'  
*Fourganic* – percussion quartet 13'
- 2007 *Fantasy for Wind Symphony* – wind symphony 6'30  
*Statements for Wind Symphony* – wind symphony 2'45  
*Melodic Mosaic* – orchestra 6'

## SOUND DESIGN & MULTIMEDIA COLLABORATION

- 2015 *With Oui* – Ears, Ears, Eyes & Feet, The University of Texas, Austin, TX  
six dancers, live quadraphonic networked sound and video, suspended motion sensor  
*(De)Constructed* – Ears, Eyes & Feet, The University of Texas, Austin, TX  
three dancers, fixed visuals, live music performed by The UT SuperCollider Laptop Ensemble
- 2014 *Genetic Anomalies* – Ears, Eyes & Feet, The University of Texas, Austin, TX  
real-time motion-generated video and audio for two dancers  
*Texas State University Performing Arts Center Opening Gala* – Texas State University, San Marcos, TX  
sound design for collaborative video mapping projection show
- 2013 *Miami Heat Ring Ceremony* – Miami, FL  
sound design, court floor video projection show  
*Colliders* – Ears, Eyes & Feet, The University of Texas, Austin, TX  
interactive audio for any number of channels, MIDI-reactive video, dancers  
*Almost Invincible* – Cohen New Works Festival, The University of Texas, Austin, TX  
sound design, collaborative musical theatre with video mapping
- 2012 *Hypnagogic* – Ears, Eyes & Feet, The University of Texas, Austin, TX  
two-channel audio with video feedback, dancers  
*The Box*, Department of Theatre and Dance, The University of Texas, Austin, TX  
twelve-foot walk-in cube construction, immersive audio and lighting, floor video projection
- 2011 *hEAR TOver LISTEN* – Bass Concert Hall Lobby, The University of Texas, Austin, TX  
two-story installation of eight contact microphone/subwoofer pairs affixed to metal handrails  
First prize, Music in Architecture-Architecture in Music Symposium  
*Crush* – Ears, Eyes & Feet, The University of Texas, Austin, TX  
two-channel audio, video projection, dancers

## COMMISSIONS

- 2013 Adam Groh, percussion  
Fractus V: Metal Detector – percussion and live electronics
- 2012 ASCAP/SEAMUS, First Prize, Student Commission Competition  
Fractus IV: Bonesaw – trombone and live electronics
- 2011 Jared Broussard, trumpet  
No Holds Barred/No Bars Held – trumpet, two marimbas, drum set  
The Blanton Museum of Art, Austin, TX  
Short Ride in a Used '98 Honda – stereo fixed media  
Kenzie Slottow, flute  
Fractus III: Aerophoneme – flute and live electronics

## PROFESSIONAL SERVICE

- 2016 Member-At-Large, SEAMUS Board of Directors
- 2015 Adjudicator, 2016 SEAMUS National Conference – Georgia Southern University, Statesboro, GA  
Concert Audio Engineer – College Music Society National Conference, Indianapolis, IN
- 2013 Co-Organizer – Fast Forward Austin Festival, Austin, TX  
Composition Co-Chair – GAMMA-UT Conference, The University of Texas, Austin, TX
- 2011 Stage Manager – Fast Forward Austin Festival, Austin, TX  
Graphic Designer – various concert series, The University of Texas, Austin, TX  
Co-Organizer – Electric LaTex Festival, The University of Texas, Austin, TX  
Equipment Coordinator – Music-In-Architecture Symposium, The University of Texas, Austin, TX
- 2010 Event Coordinator – Earth Day Music Festival, The University of North Texas, Denton, TX

## AREAS OF EXPERTISE

- Topics: acoustic and electroacoustic composition, history and analysis of electroacoustic music, acoustics, digital signal processing, sound design, algorithmic/generative music, audio programming, live coding, improvisation, multimedia, interactivity
- Software: SuperCollider, Max/MSP, Csound, Arduino, Isadora, Processing, multiple digital audio workstations, Komplete, Spear, Soundhack, Audacity, Finale, Sibelius
- Technical: concert production, live audio recording, sound engineering, live sound reinforcement, graphic design
- Studio Work: software/hardware installation & maintenance, computer systems maintenance, website/database management

## SOFTWARE DEVELOPMENT

- 2015 OSCchat – synchronized clock and chat client for laptop ensemble performance  
QuadPanEF – quadraphonic standalone real-time spatial processor  
GranulatorEF – standalone real-time granular synthesis processor
- 2013 MashupMachine – graphical interface for loop synchronization and live performance  
Perform – generalized performance environment for electroacoustic music
- 2012 NoiseMachine – graphical interface for real-time granular processing and loop synchronization

## SOUND ENGINEERING & LIVE SOUND REINFORCEMENT

- 2014 Sonate en TrioHM – line upon line percussion, Austin, TX
- 2013 Music for 18 Musicians – UT Percussion Studio, The University of Texas, Austin, TX  
Almost Invincible – Cohen New Works Festival, The University of Texas, Austin, TX
- 2012 – 2015 EARS Concert Series – The University of Texas, Austin, TX  
Ears, Eyes & Feet Concert Series – The University of Texas, Austin, TX
- 2011 Electric LaTex Festival – The University of Texas, Austin, TX