

Nick Hwang

Composer, Sound Artist, Programmer

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www.NickHwang.com

EDUCATION

Ph.D., Music Composition, Experimental Music & Digital Media, Louisiana State University, 2016, Dissertation: "AEMI: The Actuated Embedded Musical Instrument. Advisor: Stephen D. Beck
Master of Music, Music Composition, Louisiana State University, 2008
Bachelor of Arts, Music Composition and Theory, University of Florida, 2005

RESEARCH INTERESTS

Computer Music, Network Musical Performance, Programming for Creative Expression, Game Design and Development, Interaction Design, AI in Music

EMPLOYMENT

University of Wisconsin-Whitewater — 2015-Present

Associate Professor - Media Arts and Game Development (MAGD)

- Teach courses in Game Development, Music Composition, Interactive Communication, New Media Ensemble, private composition students, audio, creative coding, senior projects, and independent studies (Artificial Intelligence in games, Virtual Reality, Multiplayer games, Mobile Development).
- Co-Director of *New Media Ensemble* and *Digital Media Lab*.
- Mentor undergraduates in research projects in programming, digital fabrication, interactivity, interactive art, virtual reality, and games audio.

Game Development Summer Camp Director (2017-Present)

- Direct and instruct week-long overnight summer camps for middle- and high-school-age participants in game development each summer.
- Establish a pipeline of campers to undergraduates in our Media Arts and Game Development program at UWW. Former campers have earned degrees through our undergraduate program.

Esports Summer Camp Director, Esports Varsity Coordinator, Esports Club Faculty Advisor (2018-Present)

- Direct and instruct week-long overnight summer camps for Middle and High School-age participants in Esports each summer.
- Worked with Student Affairs, Center for Inclusive Transition, Education, & Employment, and University Housing to establish an Esports Studio.
- Train and manage undergraduates to facilitate esports studio.
- Coordinate competitive esports teams.

Lyrar — 2023-Present

Co-founder; with Margeret Schedel

AI Company that develops digital acoustic twins of architectural spaces

Collab-Hub.io — 2019-Present

Founder

Collab-Hub is a software platform that connects creative software through the internet. Developed libraries include MaxMSP, PD, and Unity.

PEER REVIEW AND EDITORIAL CONTRIBUTIONS

Computer Music Journal Article (In Progress): “MoNoDeC and Collab-Hub: the Mobile Node Controller for Audience Driven Sound Diffusion and Network System that Allows for Network Multimedia Performance”, 2024

Leonardo Journal Proposal Review: “Exploring the Potential of Telematic Chamber Music: Case Studies from 2009 to Present”, 2024

CMS-Routledge Book Proposal Review: Author: Dr. Jiayue Cecilia Wu; Title: “Reimagining the Future of Concert Music and Education through Network Audio Technology”, 2023

Journal SEAMUS, Assistant Editor, 2022-2023

PEER REVIEWED PUBLICATIONS

Hwang, N., Marasco, A. 2024. “MoNoDeC: the Mobile Node Controller for audience-involved sound diffusion” *Proceedings of the 49th International Computer Music Conference*. Seoul, South Korea. *Conference Award: Best Paper*

Schedel, M., Hwang, N., Smith, B., & Cosgrove, R. 2021. RhumbLine: Plectrohyla Exquisita — Spatial Listening of Zoomorphic Musical Robots. In *NIME 2021*. <https://doi.org/10.21428/92fbeb44.541274c2>

Hwang, N., Marasco, A. T., & Sheffield, E. 2021. Collab-Hub: “A system for creating telematic musical performance environments for Max and web-based instruments.” *Proceedings of Web Audio Conference 2021*. <http://webaudioconf2021.com>

Hwang, Nick, "AEMI: The Actuated Embedded Musical Instrument" (2016). LSU Doctoral Dissertations. 4407. https://repository.lsu.edu/gradschool_dissertations/4407

Allison, J., D. Holmes, Z. Berkowitz, Z. A. Pfalz, W. Conlin, and N. Hwang. 2016. “Programming Music Camp: Using Web Audio to Teach Creative Coding.” *Proceedings of the 2nd Web Audio Conference*. Atlanta, Georgia.

Hwang, N. 2012. “Composer Perspective on What the What: A Collection of Laptop Orchestra Works for Wii-Motes.” In *Proceedings of the First Symposium on Laptop Ensembles & Orchestras*. Baton Rouge, Louisiana.

PEER REVIEWED PRESENTATIONS, TALKS, WORKSHOPS

MoNoDeC: The Mobile Node Controller Platform. Workshop, Ars Electronica, Anton Bruckner University, Linz, Austria. Sept. 9, 2023.

Nick Hwang, Anthony T. Marasco, Eric Sheffield

Strategies for Collaborative Telematic Performance Between Music Technology Ensembles. Presentation, College Music Society & Association for Technology in Music Instruction National Conference, Long Beach, CA, Sept. 22, 2022. Nick Hwang, Anthony T. Marasco, Eric Sheffield

Teaching Electronic Music and Ensemble Performance Telematically, Invited Panel, College Music Society & Association for Technology in Music Instruction National Conference, Long Beach, CA, Sept. 22, 2022.
Nick Hwang, Chuiyuan Meng, Scott L. Miller

Creating Collaborative Telematic Performances with Collab-Hub. Workshop, International Computer Music Conference 2022, Limerick, Ireland, July 3, 2022
Nick Hwang, Anthony Marasco, Eric Sheffield

Building Telematic Networked Software for Music Pedagogy with Collab-Hub. Presentation, CMS/ATMI 2021 National Conference, Rochester, NY, Oct 7, 2021.
Nick Hwang, Anthony T. Marasco, Eric Sheffield

SHP of THSEUS. Artist's talk, OscilloScope | electronic experimental music, July 21, 2021. Nick Hwang, Jeff Herriott, Anna Wiesling, Eric Sheffield, Anthony T. Marasco

Using Collab-Hub with Max for Collaborative Network. Performance and Workshop. Music Hackspace, September 19, 2021. Nick Hwang, Anthony T. Marasco, Eric Sheffield

Collab-Hub: a tool for connecting Max, Pd, Arduino, and Web for interconnected audiovisual performance, installations, and more. Presentation Harvestworks, July 12; July 19; July 23, 2021. Nick Hwang, Anthony T Marasco, Eric Sheffield

Collab-Hub: A system for creating collaborative telematic music performances with web-based instruments and creative development platforms. Presentation, WebAudio Conference 2021
Anthony T Marasco, Nick Hwang, Eric Sheffield

Creating Telematic Musical Performances Through Max And The Web With Collab-Hub. Workshop. WebAudio Conference 2021. Anthony T Marasco, Nick Hwang, Eric Sheffield

SHP of THSEUS. Performance, WebAudio Conference 2021. Jeff Herriott, Anna Wiesling, Eric Sheffield, Anthony T. Marasco, Nick Hwang

Using Collab-Hub for local/remote networked audiovisual collaboration, workshop. New Instruments of Musical Expression Conference | Shanghai, June 14-18, 2021. Nick Hwang, Anthony T. Marasco, Eric Sheffield

*Rhumblin*e, Guest Lecture: Georgia Southern University, Music Technology Program, April 2, 2021, Margaret Schedel, Robert Cosgrove, Nick Hwang

*Rhumblin*e, artist talk, Stevens Institute of Technology, March 2, 2021, Margaret Schedel, Robert Cosgrove, Nick Hwang

*Rhumblin*e: ACM SIGGRAPH SPARKS February 2021: Immersion, Interactivity, and Altered Realities, February 26, 2021
Margaret Schedel, Robert Cosgrove, Nick Hwang

*Rhumblin*e, Presentation, Peabody Institute of The Johns Hopkins University Composers Forum. February 24, 2021
Margaret Anne Schedel, Brian Smith, Rob Cosgrove, Nick Hwang

*Rhumblin*e, Presentation, Caravanserai: Sonic Ecology 2020, Hong Kong New Music Ensemble, December 5, Presentation with Margaret Schedel, Robert Cosgrove, and Brian Smith

SHP of THESEUS, Performance and Discussion. NowNet Arts Conference 2020, Network Arts and Social Distance: Capacities and Innovations, November 5, 2020. With Eric Sheffield, Jeff Herriott, Anna Weisling, and Anthony T. Marasco

Rhumb-Line: Anthropocenic Sound Mapping on the Web, Paper Presentation: Hong Kong New Music Ensemble, Dec. 6, 2020. Margaret Schedel, Robert Cosgrove, Brian Smith, Nick Hwang

Emerging Game Audio Programs, invited panel, Game Sound Conference, October 5, 2020, with Eric Honour and David Javelosa

Creating Networked Circuit-Bent NIMES with Bendit_I/O, workshop, New Instruments of Music Expression Conference, Virtual, June 22, 2020, with Anthony T. Marasco

Building Networked Performances Using Node, workshop, MoxSonic Missouri Experimental Sonic Arts Festival, University of Central Missouri, March 5-7, 2020

Teaching Music Technology in Diverse Interdisciplinary Classrooms, invited panel, ElectroAcoustic Band Dance Festival, Jacksonville University, 2018

AEMI: The Actuated Embedded Musical Instrument, presentation, Society for ElectroAcoustic Music in the United States, University of Oregon, 2018

Higher Ed Game Development in Wisconsin, panel, M-Dev Game Development Conference, Madison, WI with Andrew Williams (Stout), Krista-Lee Malone (Madison), Emil Harmsen (Milwaukee Area Technical College), 2018

AEMI (Actuated Embedded Musical Instrument) - Guthman Musical Instrument Competition, Semi-finalist, Georgia Tech, 2017

Recent Research and Creative Activities, speaker for the WSTS at UW-Platteville, 2017

Music Technology Session, invited panel, Fulbright Science & Technology Conference, 2013, New Orleans, LA., with Tae Hong Park, Jeff Albert

Musical interactions with GUA, presentation, South Central Regional Tuba and Euphonium Conference, LSU, Baton Rouge, LA, 2013

Technical presentation on underlying technologies developed: GUA, presentation, International Tuba Euphonium Conference, Linz, Austria, 2012,

Music by Design, TEDxLSU, 2012. Louisiana State University, Baton Rouge, LA.
<http://www.tedxlsu.com>; <http://www.youtube.com/watch?v=esIMFVAhbYI>

GUA: Development of an instrument, paper, National Student Electronic Music Event, Temple University, Philadelphia, PA

Social Structure and other interactive works, presentation. International Society of Electronic Art (ISEA), Albuquerque, NM, 2012

What the What: A composer perspective works for Laptop Orchestra, Presentation, Society for Laptop Ensembles and Orchestras, 2012, Louisiana State University, Baton Rouge, LA

Performance and Control Nomenclature for Laptop Orchestra Works, Poster Presentation, Society for Laptop Ensembles and Orchestras, 2012, Louisiana State University, Baton Rouge, LA

GUA: A New Digital Instrument, paper, Electroacoustic Barn Dance, 2012, University of Mary Washington, Fredericksburg, VA

TEACHING EXPERIENCE

Associate Professor, University of Wisconsin-Whitewater — 2015-Present

Media Arts and Games Development (denotes course design)*

COMM 239: Audio Production I

MUSC457: Music Composition

MUSC462: Advanced Music Composition

Music 452: Electronic Music and Sound Design

*MUSC 269/ COMM 290: New Media Ensemble **

COMM498: Independent Study - Music Composition, Game Development,

Digital Fabrication, Board Game Development, Algorithms in Game

Development, Mobile Game Development

MAGD 150: Introduction to Media Arts and Game Development

*MAGD 271: Interactive Communication **

*MAGD 372: Intermediate Game Development **

MAGD 272: Introduction to Game Development

MAGD 487: Advanced Media Arts Team Projects I

MAGD 488: Advanced Media Arts Team Projects II

*MAGD 491: Travel Study Games Practicum **

COMM 351: Game Studies and Design

*COMM490: Game Development Workshop **

*COMM496: Special Studies: Intermediate Game Development **

*COMM496: Special Studies: Games Practicum **

*COMM496: Special Studies: Games Practicum with HAN University **

Digital Media Instructor, Math, Science, and Arts Academy, Plaquemine, LA — 2013-2014

Digital Audio and Visual Design courses

Music Composition Instructor, Blue Lake Fine Arts Camp, Twin Lake, MI — 2014

Music Composition

Teaching Graduate Assistant, Louisiana State University — 2009-2012

*MUS3745: Introduction to Computer Music **

MUS4745: Max/MSP

Private composition instructor — 2008-Present

SELECT COMPOSITION PERFORMANCES

(** premiere)

Scavengers - Voice, Marimba, and Tactile Transducers. New Media Ensemble, UW-Whitewater, May 2023 **

You are the Product - Piece for audience mobile phone participation. MoxSonic Music Festival, March 2023, University of Central Missouri, Hart Hall

SHP of THSEUS -

MoxSonic Music Festival, March 2023.

Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers

You are the Product ** - audience participation multimedia performance

New Media Ensemble Concert, May 2022

University of Wisconsin-Whitewater, Light Recital Hall.

Peace for Voice and Computer Performers **

Text by Rupert Brooke, Dayne Farris, Grant Larson, Spencer Carey
New Media Ensemble Concert, May 2022
University of Wisconsin-Whitewater, Light Recital Hall

SHP of THSEUS - A telematic remotely- and audience-controlled musical work. New York Electronic Music Festival, July 23, 2022. Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers

RE/SHIFT/ER, SHP of THSEUS, Performance / Demonstration - A telematic remotely- and audience-controlled musical work. Society for ElectroAcoustic Music in the United States, Virtual, April 23, 2021. Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers

SHP of THSEUS - A telematic remotely- and audience-controlled musical work. Performing Media Festival [PMF~ 2021], Virtual, February 21, 2021. Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers

SHP of THSEUS - A telematic remotely- and audience-controlled musical work. Network Music Festival, Virtual, July 17, 2020. Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers

World of Soundcraft **- (Four Game Controllers and Audience participation) Missouri Experimental Sonic Arts Festival, University of Central Missouri, March 5-7, 2020. Anthony T. Marasco, Monica Pearce, Eric Sheffield, Nick Hwang performers

Moment - (Electric Guitar and Electronics) - Root Signals Music Festival - Eric Sheffield, Georgia Southern University, 2019

Nocturne for Saxophone Quartet

2017 - University of Wisconsin-Whitewater Saxophone Quartet, Whitewater, WI

The Phloem and the Xylem **- (Mixed Ensemble and Electronics) - Cosmographie Concert- UW-Whitewater, Light Recital Hall, Earth Day, April 2016

Election Cycles ** (Laptop Duo) - The Body Electric Show - UW-Whitewater, Light Recital Hall, 2016, Jesse Allison and Nick Hwang

Sunset - Flute, Bb Clarinet, and Piano

2014 - Versipel New Music Collective concert series, New Orleans, LA**

Origin (40-minute Electroacoustic soundtrack for Movement Theatre Dance work, 2014)

- 2014 - Edinburgh Festival Fringe, Edinburgh, Scotland (Five performances)
- 2014 - Shaver Theatre, Baton Rouge, LA (Three Performances) **

Dracones Nursery - Alto Saxophone and Interactive Electroacoustics, Commissioned by Taylor Barbay

- 2017 - New York Electronic Music Festival, Abrons Theatre, New York, NY
- 2015 - Root Signals Music Festival, Jacksonville University, Jacksonville, FL
- 2015 - New Music from the Bayou, University of Wisconsin-Whitewater, Whitewater, WI
- 2014 - National Student Electronic Music Event, Georgia Southern University, Statesboro, GA
- 2013 - North American Saxophone Alliance - Orlando Conference, Univ. Central Florida, FL**

Fishing for Jörmungandr (Two tubas and two GUA performers, Commissioned by Andy Larson)

- 2015 - New Music from the Bayou, University of Wisconsin-Whitewater, Whitewater, WI
- 2013 - National Student Electronic Music Event, Temple Univ., Philadelphia, PA
- 2013 - South Central Regional Tuba and Euphonium Conference, LSU, Baton Rouge, LA
- 2012 - International Tuba Euphonium Conference, Linz, Austria **

Clariphon (solo clarinet, commissioned by Arianna Tieghi)

- 2012 - International Arts Educators Forum, Citta di Castello, Italy **

Pluck (Solo Cello and Laptop Orchestra with Wii notes)

- 2013 - Laptop Orchestra Concert, Baton Rouge, Louisiana
- 2012 - Society for Laptop Ensembles and Orchestra symposium, Baton Rouge, Louisiana

Synecdoche - for Video and Four Channel Audio

- 2013 - High Voltage - Baton Rouge, Louisiana
- 2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium, University of Reno, Nevada
- 2012 - High Voltage - Baton Rouge, Louisiana

Pop Reference (fixed media)

- 2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium, University of Reno, Nevada
- 2012 - Electric Latex, University of Texas-Austin

What the Freq for Laptop Orchestra

- 2012 - Laptop Orchestra of Louisiana, Baton Rouge, LA

Semi-Tubular for Trombone and Electronics

- 2011 - High Voltage Concert, Jeff Albert, Baton Rouge, Louisiana

Social Structure [Construction no. 1] - (Constructed Speaker Cubes, Video Tracking, Projections)

- 2011 - Pixilerations v.8, Brown University, Providence, RI

Wait (fixed media)

- 2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium, University of Reno, Nevada
- 2011 - Electroacoustic Barn Dance, University of Mary Washington, Fredericksburg, VA

Moment for Solo Cello

- 2010 - Pedro Huff, NACUSA MidSouth Chapter Concert, Louisiana State University, LA **

Improvisations for Acoustic and Electronics for Laptop Orchestra

- 2012 - Laptop Orchestra of Louisiana, Baton Rouge, LA
- 2011 - Laptop Orchestra of Louisiana, Baton Rouge, LA
- 2010 - Laptop Orchestra of Louisiana Tour (8 performances) **

GUA (electronic musical instrument)

- 2011 - Society for Electro-Acoustic Music in the US National Conference, University of Miami, Miami, FL
- 2010 - International Society of Improvised Music, University of Michigan, Ann Arbor, MI

Louisiana Rain for Two Percussions - data-driven composition

2010 - New Music Festival, Dana Difilippantonio, Jude Traxler, Louisiana State University, Baton Rouge, LA

Allie's Back Porch (fixed media)

2010 - International Computer Music Conference, New York University - Stony Brook, New York, NY

What the Bells for Laptop Orchestra

2010 - Laptop Orchestra of Louisiana, Baton Rouge, LA

Nocturne for String Orchestra

- 2011 - Louisiana Sinfonietta, Baton Rouge, LA
- 2009 - Louisiana Sinfonietta, Baton Rouge, LA **

Pins and Needs Bend Break for Solo Saxophone

- 2010 - Louisiana Sinfonietta, Athanasios Zervas, Baton Rouge, LA
- 2009 - Lindsey Jacob Masters Recital, Lindsey Jacob, Baton Rouge, LA

Night for Full Orchestra

2009 - Reading by Louisiana State University

String Quartet

- 2009 - New Music Festival, Louisiana State University, Baton Rouge, LA
- 2009 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA
- 2008 - Masters Recital, Louisiana State University, Baton Rouge, LA **

Chortle for stereo playback

High Voltage Concert - Louisiana State University, LA

Adjacency for Solo Flute

- 2010 - NACUSA South Central Concert, Louisiana State University, LA
- 2008 - Master's Recital, Louisiana State University, Baton Rouge, LA **

Clarify for Solo Violin

- 2009 - NACUSA South Central Concert, Louisiana State University, LA
- 2008 - Master's Recital, Louisiana State University, Baton Rouge, LA **

Fatigue for two-channel playback

2007 - High Voltage Concert - Louisiana State University, LA

Breakbeat for two-channel playback

2007 - High Voltage Concert - Louisiana State University, LA

Freer for solo saxophone

- 2011 - Theofolis Satirides, Baton Rouge, LA
- 2008 - Lindsey Jacob, NACUSA MidSouth Chapter Concert, Baton Rouge, LA
- 2006 - Athanasios Zervas, Baton Rouge, LA

Memories for Mixed Ensemble

2006 - LSU New Music Ensemble Concert

Quintet for Woodwinds

- 2008 - Master's Recital, Louisiana State University, Baton Rouge, LA
- 2007 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA

Duet for Flute and Trumpet

- 2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA
- 2006 - New Music Festival, Louisiana State University, Baton Rouge, LA

Entropy for Mixed Percussion

- 2006 - New Music Festival, Louisiana State University, Baton Rouge, LA
- 2006 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA **

The Dark for Soprano and Harpsichord

- 2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA
- 2006 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA

In Reverie for Alto Saxophone and Piano

- 2008 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA
- 2005 - Bachelor's Recital, Derek Savko, Gainesville, FL

Love Itself Shall Slumber On for Soprano, Marimba, and Cello

- 2007 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA,
Allison Schnake, Dana Difilippantonio, and Elizabeth Meszaros
- 2005 - Bachelor's Recital, Derek Savko, Gainesville, FL **

Sonata for Oboe

- 2007 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA
- 2005 - Bachelor's Recital, Diana Chen, Gainesville, FL **

EXHIBITIONS / INSTALLATIONS / VIDEO GAMES / SOFTWARE

Resonate, Roberts Gallery, University of Wisconsin-Whitewater, September 24-October 23, 2024, Interactive Audiovisual installation, Whitewater, WI

Rhumblines, Gallery North, Virtual Artist Encounters, GalleryNorth.org, January 16, 2021, Artist talk with Margaret Schedel, Robert Cosgrove, and Brian Smith

Tapping Music, a rhythm game for mobile phones based on the music by Steve Reich on Apple AppStore (<https://apps.apple.com/gb/app/tapping-music/id6476163815>), 2024

verses, an installation with interactive video/sound, July 2022,

Shall Make Shall Be Exhibit, Federal Hall, NY

Meg Schedel, Melissa Clarke, Nick Hwang, Omkhar Bhatt

<https://shallmakeshallbe.org/about.html>

<https://www.barnesandnoble.com/w/shall-make-shall-be-laine-nooney/1143035570?ean=9798218009526>

Collab-Hub Client Max Package, a package library for programming language Max

Published internally in Max Package Manager

<https://github.com/Collab-Hub-io/Collab-Hub-Max-Client>

Released April 2022

Tapping Music, a rhythm game for mobile phones based on the music by Steve Reich on

Google Playstore ([https://play.google.com/store/apps/details?](https://play.google.com/store/apps/details?id=com.PrettyKittyGames.Tapping_Music)

[id=com.PrettyKittyGames.Tapping_Music](https://play.google.com/store/apps/details?id=com.PrettyKittyGames.Tapping_Music))

Released December 6, 2021

Rhumbline: Spatial Listening of Zoomorphic Musical Robots, Interactive Installation, New Instruments of Musical Expression Conference | Shanghai, June 14-18, 2021

Rhumbline, Interactive Installation, 2021
Society for ElectroAcoustic Music in the United States, Virtual, April 23, 2021
Margaret Schedel, Nick Hwang, Rob Cosgrove, Brian Smith,

Vo-lo-roo, Interactive Game Installation, Jeff Herriott and Bill Miller, ElectroAcoustic Barn Dance, Jacksonville University, Nov 14-16, 2019

We Give Our Consent, Interactive Art Exhibit, Jeff Herriott and Bill Miller, Crossman Gallery, UW-Whitewater, Feb 7-26, 2019

Moving Portraits, Interactive Installation the Roberts Gallery, UW-Whitewater, April 3-17, 2019

Moving Portraits, Interactive Installation for Warriors and Wizards Festival, Jefferson, WI

Potion Gathering (Oculus) - Virtual Reality game. Logan Docherty, Ian McVey, Todd Noreen. <http://prettykittygames.com>

Let's Explore Yellowstone, 2017 (PC, MAC) - Educational Game. Katherine Stull, Christian Heide, Brandon Gill. <http://yellowstonegame.com>

Mirror - Interactive installation, 2016
Crossman Gallery, Center for the Arts, University of Wisconsin-Whitewater, WI

Road Impressions from *On the Road Connecting Us* show, 2016
Interactive Collaboration with Sheryl Southwick, Baton Rouge, LA

Immersive Sound Installation (invited) for Emerge Center of Baton Rouge, LA

Traces: Venice, 2015, Sonic Installation collaboration with Sandra Russel Clark
LSU Museum of Art, Baton Rouge, LA

Spatialized sonic walk, 2015, for Baton Rouge Gallery Surreal Salon Soiree (invited), Baton Rouge, LA

Soft Impressions, 2015, interactive installation at Prospect3+BR Arts Biennial (Baton Rouge)

Transportal, 2014, Cross-campus interactive musical installation at LSU

Spatialized sonic walk, 2014, for Baton Rouge Gallery Surreal Salon Soiree, Baton Rouge, LA

Entwined, 2013, A pair of interactive sculptures (invited) Uncommon Thread: Wearable Art Show, Baton Rouge, LA

Exquisite Corpse, 2013, Interactive video installation at the Baton Rouge Gallery Surreal Salon Soiree, Baton Rouge, LA

Papyrus, 2013, interactive sonic installation for the Baton Rouge Blues Festival
Downtown Baton Rouge, Louisiana

Coelocyte, Panta Rhei, and Panoply (three installations), 2012, in SPACES: an interactive art show, Baton Rouge, LA

Oosphere, 2012, interactive installation at Fluxswitch art show, Downtown Baton Rouge, Louisiana

Dough-drop, 2012, sonic installation for the A Sight for Sore Eyes art show, Downtown Baton Rouge, Louisiana

Social Structure [Construction no. 1], 2012, tangible interactive installation

- SEAMUS 2012, Lawrence University, Appleton, Wisconsin
- New Instruments of Musical Expression, University of Michigan, Ann Arbor, Michigan

Social Structure [Construction no. 1], 2011

- Pixilerations v.8 Festival, Granoff Center, Brown University. Providence, RI
- Exhibit, Foster Gallery, LSU, Baton Rouge, LA

THEATRE / FILM MUSIC / SOUND DESIGN

Sound Design and music for Dr. John's Folks Middle School Theatre's show of *Everyman in the Circus of Life* (Commissioned) (Feb 2019)

Sound Design and Engineering for RED by John Logan with Bridge Nouveau Theatre Company, Baton Rouge, LA, 2015

Origin, a 40-minute electronic composition for LSU's Movement Theatre Department, Performances in Baton Rouge and Edinburgh Festival Fringe, 2014

New Wave Film Score for LSU's French Film Studies Documentary, 2014

Commercial Foley and Audio Editing for Poon Films. 2013

Sound and Foley for LSU Films Night Herons, 2013

A Funny Thing Happened on the Way to the Forum, Arrangement, Bonnabel High School, New Orleans, LA, 2011

Sound Design and Incidental Music for An Evening of Chekhov, LSU Theatre, Baton Rouge, LA, 2010

Sound Design and Incidental Music for The Importance of Being Earnest, LSU Theatre, Baton Rouge, LA 2010

Music Director and Arranger for Musical Promenade, LSU Theatre, 2009

PROFESSIONAL AWARDS, GRANTS, SUPPORT, COMMISSIONS

Wisconsin League of Public Municipalities Fall Conference, Artist in Residence, *Resonating Stories* interactive installation, 2024

ICMC 2024 *Best Paper Award*, International Computer Music Conference 2024, Seoul, South Korea, Awarded by ICMA Board, 2024

NSF I-Corps Innovation Bootcamp for Lyrai, 2023

Louisiana Illuminator news weekly podcast Theme Music, 2020

Summer Undergraduate Research Fellow: Machine-learning in Unity3D game engine, 2019

Commissioned Music for Dr. John's Folks Middle School Theatre's performance of *Everyman in the Circus of Life*, 2019

Commissioned Musical Composition for the Obrigado Saxophone Quartet, 2018

LSU Libraries Media and Communications Assistantship: Sigrid Kelsey, 2014-2015

Commissioned Musical Composition for Taylor Barbay for *Dracones Nursery* Alto Saxophone and Interactive Electroacoustics), 2013

Dissertation Year Fellowship, LSU, 2012-2013

Commissioned Music Composition from Andy Larson of *Fishing for Jormangandr: for two tubas and electronics*, 2011

Graduate School Enhancement Award - LSU, 2008-2012

PROFESSIONAL SERVICE

Conference Reviewer, New Instruments of Music Expression (Papers, Posters & Demos, Workshops), 2024

Conference Reviewer, New Instruments of Music Expression (Papers), 2023

Conference Reviewer, New Instruments of Music Expression (Papers), 2022

Conference Reviewer, New Instruments of Music Expression (Papers), 2021

Ethics Committee Member, New Instruments of Music Expression, 2021

Conference Reviewer - New Instruments of Music Expression, 2019

SCI 2019 SCI/ASCAP Student Composition Competition Adjudicator, 2019

HAN University International Business School Talent Event Judge, 2019

Conference Jury - Society for ElectroAcoustic Music in the United States, 2016-2018

Wisconsin Games Alliance member - 2018-Present

Conference Jury - Alliance of Women in Media Arts and Technology Conference, 2018

Conference Organizer - Electric LaTex, Baton Rouge, LA, 2012

OTHER PERFORMANCES

Musical Performance of *The Spinning Earth Shall Spread Before You* by Anthony T. Marasco at *bent // broken 2023 virtual worldwide circuit bending festival*, March 25, 2023

Musical Performance of *The Spinning Earth Shall Spread Before You* by Anthony T. Marasco at Circuit Bender's Ball | Experimental Music Festival, March 13, 2021

Musical Performance with *The Bell Monks* at the 'ElectroAcoustic Barn Dance' at Jacksonville University with Jeff Herriott and Eric Sheffield. November 14-16, 2019

Musical Performance of Junior Kimbraugh's *Meet Me in the City*, RL Burnside *Going' Down South* with Eric Sheffield for 'Root Signals Music Festival' at Georgia Southern University. February 21-23, 2019

Musical Performance with Eric Sheffield for 'ElectroAcoustic Barn Dance' at Jacksonville University. Performances of John Cage's *Cartridge Music* and Robert Ashley's *Trio I*, with AEMI, my created instrument. (Nov 10, 2018)

Performance with Stephen David Beck at the University of Wisconsin-Whitewater, WI. Electronic works by Beck and Ge Wang (Feb 22, 2018)

Musical Performance with Eric Sheffield for 'ElectroAcoustic Barn Dance' at Jacksonville University. Performances of LaMonte Young's *Composition 1960 #7* and James Tenney's *Swell Piece for Alison Knowles* with created instrument AEMI. (Feb 10, 2018)

Musical performance with Guest Artist Ben Willis, bassist, and Matt Sintchak. Light Recital Hall, UWW. Performance of *Improvisations* by Ben Willis with created instrument AEMI. (Oct. 31, 2017)

ACADEMIC SERVICES

Search and Screen Committee Chair - Art and Design / MAGD
Assistant Prof. Search (Jeffers Egen hired), 2023
Composing for collaborative performance, Lecture for UWW Music Department History/
Theory Colloquium, 2022
Faculty Senator, 2019-Present
Non-Academic Student Misconduct Hearing Committee member, 2020-Present
Strategic Planning & Budget Committee, 2020-2021
Esports Club Faculty Advisor, 2019-Present
UWW/Rock County Math Pathways Initiative Campus Summit, 2018
Member, Recruitment and Retention Committee, 2018-Present
Member, Media Arts and Game Development Expo Committee, 2018-Present
Member, Graduate Committee, 2018
Member, Search Committee, Communications Department - Assistant Prof. in Social
Media, 2018
Hosted Stephen David Beck, SonicT Music Concert and Speaker, 2017
Hosted Sarah Schoemann, visiting artist and keynote Speaker for MAGD Expo, 2017
Member, Communications Department International Committee, 2017
Member, Search Committee, Media Arts and Game Development program, Assistant Prof.
Search (Rhea Vichot), 2017
Member, Media Arts and Game Development Expo Committee, 2017
Member, Media Arts and Game Development Assessment Committee, 2017-Present
Member, Graduate Committee, 2017-Present
Hosted Jesse Allison, visiting composer, speaker, 2016

UWW PRESENTATIONS

A perspective on interactive compositions, UWW Music Department History/Theory
Colloquium, 2021
Guest Lecture for Ruth Conrad Proulx's *World of the Arts* Class, 2019
We Give Our Content Art show with Jeff Herriott and Bill Miller, Crossman Gallery, 2019
Moving Portraits Installation with Bill Miller, Roberts Gallery, University Center, 2019
Sonic Meditations by Stephen Beck, *Clix* by Ge Wang, Performances for *SonicT* Concert
The Phloem and The Xylem (Mixed Ensemble and Electronics) - Performance,
Cosmographie Concert, Light Recital Hall, UWW, 2017
Election Cycles (Laptop Duo), composed and performed by Jesse Allison and Nick
Hwang,
Moment for Electric Guitar, Keyboard, and AEMI, improvised with Jeff Herriott and Eric
Sheffield - *The Body Electric Show*, Light Recital Hall, UWW, 2016
Mirrors (interactive installation) for *The Body Electric Show*, Light Recital Hall, UWW,
2016

All the Feels — emotion in my compositional work, for UWW Music Department History/
Theory Colloquium, 2016

COMMUNITY SERVICE

Cybersecurity and Coding Badges: Badgerland Girl Scout Badge Workshop, 2023
GIRLgamer - Pixel Power: Badgerland Girl Scout Badge Workshop, 2022
Annual Global Game Jam Site Coordinator (Annual 48-hour event), 2015-Present
Elevator Projects Arts Organization Executive Board Member, 2014-2015
Louisiana Sinfonietta Board Member, 2013-2015
University of Wisconsin-Whitewater Women's Ultimate Team Coach, 2015-2016
Louisiana State University Women's Ultimate Team Coach, 2013-2015
Baton Rouge Youth Coalition (BRYC) Mentor, 2012-2013
Louisiana State University Men's Ultimate Team Coach, 2009-2012
Louisiana State University Battles of the Bands judge, 2008-2014

MENTORSHIP

Research Apprenticeship Program Mentor - Tyler Bakan, 2021
Research Apprenticeship Program Mentor - Logan Mueller, 2021
Research Apprenticeship Program Mentor - Bree Marconnet, 2019
UltraHaptics International Student Competition (1st Place) - "Hands of Time", Hand
Therapy Video Game - Luke Lamberg, Nicole Nelson, Brandon Hanabarger, 2018
Research Apprenticeship Program Mentor - Alec Ochowski, Nick Spaeth, Leah Blasczyk,
Sydney Myers, Wesley McWhorter, Charlie Cruz, 2018
Undergraduate Research Supervisor - Katherine Stull, 2016

UWW GRANTS AND SUPPORT

College of Arts and Communication Collaboration Grant - *Interactivity Unlocked*:
collaborative installation creation using MaxMSP and TouchDesigner with Jeffers
Egen, 2024
Teaching and Learning Grant - Generative Artificial Intelligence, 2023
College of Arts and Communication Research Award, 2022
Research Apprenticeship Program (Ty Bakkan), 2022
Communication Department Research Award, 2021
Research Apprenticeship Program (Logan Mueller), 2021
College of Arts and Communication Collaboration Grant - *Seasons of Movement*:
interactive dance collaboration with Piper Morgan Hayes, 2019
Communication Department Teaching Award, 2019
Research Apprenticeship Program (Bree Marconett), 2019
Online/Blended Institute, 2019
FIRE Grant – 'We Give Our Consent' - creation and installation of a gallery show on
privacy with A. Bill Miller and Jeff Herriott, 2018

UWW Communication Department Research Award, 2018
Research Apprenticeship Program - *We Give Our Consent* art show, 2018
UWW Teaching Scholars Program Fellow, 2018

PROFESSIONAL AFFILIATIONS

International Game Developers Association (IGDA)
Society of Composers, International (SCI)
College Music Society (CMS)
International Computer Music Association (ICMA)
American Composers Forum
The American Society of Composers, Authors, and Publishers (ASCAP)
Society of Electroacoustic-Music in the United States (SEAMUS)
National Association of Composers/USA (NACUSA)
 President of Mid-South Chapter 2007-2008;
 Secretary/Treasurer of Mid-South Chapter 2010-2011
International Computer Music Association (ICMA)
Music Teachers National Association (MTNA)
Sonic Art Collective, Co-founder, President (2012), Vice President (2011) at LSU

PROFICIENCY IN SOFTWARE AND PROGRAMMING LANGUAGES

Finale, Max/MSP, ChuckK, Logic, ProTools, Arduino, Reason, Unity, C#, Adobe
Illustrator, Photoshop, Premiere, Processing, PureData, QLab, HTML, CSS, JavaScript,
Gibber, Tone.js, Java, Node.js

COLLABORATORS

Jesse Allison (LSU), Michael Straus (Other Minds, SF), Jeff Albert (Loyola University), J
Corey Knoll (LSU), William Conlin (LSU), Andy Larson (LSU), Tom LaPann (LSU),
Sarah Jones, Baton Rouge Walls Organization, Baton Rouge Gallery, Baton Rouge
Blues Festival, Elevator Projects, Jeff Herriott, Bill Miller, Eric Sheffield (Miami
University of Ohio), Anthony T. Marasco (UT-RGV), Margeret Schedel (Stony Brook),
Brian Smith (Texas State), Abby Fisher (Univ. of Tennessee-Knoxville), Melissa Clark,
Jocelyn Ho (UCLA)