

# Nick Hwang

Composer, Sound Artist, Software and Game Developer

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## EMPLOYMENT UW-Whitewater (2015-Present)

### *Associate Professor - Media Arts and Game Development (MAGD)*

Teaching 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). MAGD is an interdisciplinary program spanning and associated with the Art Department, Music Department, and Computer Science, working with the College of Ed, Physics, and English. Mentored undergraduates in research projects in programming, digital fabrication, interactivity, interactive art, virtual reality, and games audio.

### *Digital Media Lab Director (2018-2020)*

Led undergraduates in creating digital media for external clients, including the *Wisconsin Office of Sustainability & Clean Energy*, where we designed the layout and graphics for the state's *Clean Energy Plan*.

### *Game Development Summer Camp Director (2017-Pres.)*

Director and instructor of two week-long overnight summer camps for Middle and High School-age participants in Game Development each summer. Established a pipeline of campers-to-undergraduates into our Media Arts and Game Development program. Several former campers have now graduated from our program.

### *Esports Summer Camp Director, Esports Varsity Coordinator, Esports Club Faculty Advisor (2018-Pres.)*

Director and instructor of two 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. Coordinator multiple competitive esports teams.

## EDUCATION

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|------|--|
| 2016 | Ph.D., Music Composition, Experimental Music & Digital Media, Louisiana State University <i>AEMI: The Actuated Embedded Musical Instrument</i> . |
| 2008 | Master of Music, Music Composition, Louisiana State University   |
| 2005 | Bachelor of Arts, Music Composition and Theory, University of Florida  |

## TEACHING

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|------------|---|
| 2015-pres. | University of Wisconsin-Whitewater, Associate Professor, Media Arts and Games Development (* denotes course design) |
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*COMM 239: Audio Production I*  
*MUSC457: Music Composition*  
*MUSC462: Advanced Music Composition*  
*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 \**

2020-pres. UW-Whitewater - Esports Summer Camp  
 2018 UW-Whitewater - Grandparent University (Game Development)  
 2017-pres. UW-Whitewater - Game Development Summer Camp  
 2015 Louisiana State University - Music Programming Camp: WebAudio, Gibber, and Tone.js  
 2014 Music Composition Instructor and Department Head, Blue Lake Fine Arts Camp, Twin Lake, MI  
 2013-2014 Math, Science, and Arts Academy, Digital Media Instructor, Plaquemine, LA  
 2009-2012 Louisiana State University  
*MUS3745: Introduction to Computer Music \**  
*MUS4745: Max/MSP*  
 2008-pres. Private composition instructor

## ACTIVITIES

2019-Present Founder, [Collab-Hub.io](http://Collab-Hub.io)  
 Collab-Hub is a software platform that connects creative softwares through the internet. Applications like MaxMSP, PD, Unity, and other OSC-based languages interface with Collab-Hub.  
 2018-Present Co-Founder, Concept Blue Media

## PROFESSIONAL SERVICE

2024 Conference Reviewer - New Instruments of Music Expression (NIME)  
 Papers, Posters & Demos; Workshops  
 2023 Conference Reviewer - New Instruments of Music Expression (NIME)  
 Papers  
 2023 Routledge Books Proposal Reviewer  
 2022 Conference Reviewer - New Instruments of Music Expression (NIME)  
 Papers

- 2022-2023 Assistant Editor - Journal SEAMUS
- 2021 Conference Reviewer - New Instruments of Music Expression
- 2020 Ethics Committee - New Instruments of Music Expression
- 2019 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
- 2016-2018 Conference Jury - Society for ElectroAcoustic Music in the United States
- 2018 Wisconsin Games Alliance - participated in Higher Education Summit
- 2018 Conference Jury - Alliance of Women in Media Arts and Technology Conference
- 2012 Conference Organizer - Electric LaTeX, Baton Rouge, LA
- 2016-present Composer and founding member, the interactive computer performance group  
*Death by Sneaux Sneaux*
- 2011-15 Composer and founding member, the interactive computer performance group  
*The Cool Van*
- 2008-11 Composer and founding member, the interactive computer performance group  
*The Three Computers*

#### UWW UNIVERSITY SERVICES

- 2023 Search and Screen Committee Chair - Art and Design / MAGD Assistant Prof. Search (Jeffers Egen hired)
- 2022 **Composing for collaborative performance**, for UWW Music Department History/Theory Colloquium
- 2019-Pres. Faculty Senate
- 2020-Pres. Non-Academic Student Misconduct Hearing Committee
- 2020-2021 Strategic Planning & Budget Committee
- 2021 **A perspective on interactive composition**, for UWW Music Department History/Theory Colloquium
- 2019 Guest Lecture for Ruth Conrad-Proulx's *World of the Arts* Class (Sept. 19, 2019)
- 2019 Madison Games Alliance Higher Ed Summit
- 2019-Pres. Esports Club Faculty Advisor
- 2019 *We Give Our Content* Art show with Jeff Herriott and Bill Miller, Crossman Gallery, UWW
- 2019 *Moving Portraits* Installation with Bill Miller, Roberts Gallery, UC, UWW
- 2018 UWW/Rock County Math Pathways Initiative Campus Summit
- 2018 Madison Games Alliance Higher Ed Summit
- 2018 **Sonic Meditations** by Stephen Beck, **Clix** by Ge Wang - *SonicT Concert*
- 2017 **The Phloem and The Xylem** (Mixed Ensemble and Electronics) - *Cosmographie Concert*, Light Recital Hall, UWW
- 2016 **Presidential Cycles** (Laptop Duo) composed Jesse Allison and me, **Moments** 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

## UWW DEPARTMENTAL SERVICE

- 2018-Present Member, Recruitment and Retention Committee
- 2018-Present Member, Media Arts and Game Development Expo Committee
- 2018 Member, Graduate Committee
- 2018 Member, Search Committee, Communications Department - Social Media
- 2017 Hosted Stephen David Beck, SonicT Music Concert and Speaker
- 2017 Hosted Sarah Schoemann, visiting artist, Keynote Speaker for MAGD Expo
- 2017 Member, Communications Department International Committee
- 2017 Member, Scholarship Committee
- 2017 Member, Search Committee, Media Arts and Game Development program
- 2017 Member, Media Arts and Game Development Expo Committee
- 2017-Present Member, Media Arts and Game Development Assessment Committee
- 2017 Member, Graduate Committee
- 2016 Hosted Jesse Allison, visiting composer, speaker

## COMMUNITY SERVICE

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

## UWW DIRECTED STUDENT LEARNING

- 2021 Research Apprenticeship Program Mentor - Tyler Bakan
- 2021 Research Apprenticeship Program Mentor - Logan Mueller
- 2019 Research Apprenticeship Program Mentor - Bree Marconnet
- 2018 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
- 2016 Undergraduate Research Supervisor - Katherine Stull

## UWW GRANTS AND SUPPORT

- 2023 UWW Teaching and Learning Grant - Generative Artificial Intelligence
- 2022 College of Arts and Communication Research Award
- 2022 Research Apprenticeship Program - with Ty Bakkan
- 2021 Communication Department Research Award
- 2021 Research Apprenticeship Program - with Logan Mueller
- 2019 College of Arts and Communication Collaboration Grant - *Seasons of Movement*:  
interactive dance collaboration with Piper Morgan Hayes
- 2019 UWW Communication Department Teaching Award
- 2019 Research Apprenticeship Program - with Bree Marconett

- 2019 Online/Blended Institute
- 2018 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* show
- 2018 UWW Teaching Scholars Program Fellow

#### PROFESSIONAL GRANTS, SUPPORT, AND COMMISSIONS

- 2020 Theme music for Louisiana Illuminator news weekly podcast
- 2019 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*
- 2018 Commissioned Musical Composition for the Obrigado Saxophone Quartet
- 2014-2015 LSU Libraries Media and Communications Assistantship: Sigrid Kelsey
- 2013 Commissioned Musical Composition for Taylor Barbay for *Dracones Nursery* (Alto Saxophone and Interactive Electroacoustics)
- 2012-2013 Dissertation Year Fellowship, LSU
- 2011 Commissioned Music Composition from Andy Larson of *Fishing for Jormangandr: for two tubas and electronics*
- 2008-2012 Graduate School Enhancement Award - LSU

#### RECENT CONFERENCES / FESTIVALS / CREATIVE ACTIVITIES

##### CONFERENCE PUBLICATIONS

- 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>
- 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.

##### PAPERS / PRESENTATIONS

- 2023 Workshop: *MoNoDeC: The Mobile Node Controller Platform*. Ars Electronica, Anton Bruchner University, Linz, Austria. Sept. 9, 2023.  
Nick Hwang, Anthony T. Marasco, Eric Sheffield

- 2022 Presentation: *Strategies for Collaborative Telematic Performance Between Music Technology Ensembles*. College Music Society & Association for Technology in Music Instruction National Conference, Long Beach, CA, Sept. 22  
Nick Hwang, Anthony T. Marasco, Eric Sheffield
- 2022 Panel: *Teaching Electronic Music and Ensemble Performance Telematically*  
College Music Society & Association for Technology in Music Instruction National Conference, Long Beach, CA, Sept. 22  
Nick Hwang, Chuiyuan Meng, Scott L. Miller
- 2022 Workshop: *Creating Collaborative Telematic Performances with Collab-Hub*  
International Computer Music Conference 2022, Limerick, Ireland, July 3  
Nick Hwang, Anthony Marasco, Eric Sheffield
- 2021 Presentation: *Building Telematic Networked Software for Music Pedagogy with Collab-Hub* CMS/ATMI 2021 National Conference, Oct 7, 2021  
Nick Hwang, Anthony T. Marasco, Eric Sheffield
- 2021 Artist's Talk: OscilloScope | electronic experimental music, Jul 21, 2021  
**SHP of THSEUS**  
Nick Hwang, Jeff Herriott, Anna Wiesling, Eric Sheffield, Anthony T. Marasco
- 2021 Workshop: **Harvestworks** | art non-profit, July 12; July 19; July 23, 2021  
**Collab-Hub, a tool for connecting Max, Pd, Arduino, Web for interconnected audiovisual performance, installations, and more**  
Nick Hwang, Anthony T Marasco, Eric Sheffield
- 2021 Talk: **Collab-Hub: A system for creating collaborative telematic music performances with web-based instruments and creative development platforms**  
WebAudio Conference 2021  
Anthony T Marasco, Nick Hwang, Eric Sheffield
- 2021 Workshop: **Creating Telematic Musical Performances Through Max And The Web With Collab-Hub**  
WebAudio Conference 2021  
Anthony T Marasco, Nick Hwang, Eric Sheffield
- 2021 Performance: **SHP of THSEUS**  
WebAudio Conference 2021  
Jeff Herriott, Anna Wiesling, Eric Sheffield, Anthony T. Marasco, Nick Hwang
- 2021 Workshop: **Using Collab-Hub for local/remote networked audiovisual collaboration**  
New Instruments of Musical Expression Conference | Shanghai, June 14-18, 2021  
Nick Hwang, Anthony T. Marasco, Eric Sheffield
- 2021 **Guest Lecture: Georgia Southern University, Music Technology Program, April 2, 2021**  
Margaret Schedel, Robert Cosgrove, Nick Hwang
- 2021 **Artists' Talk : Stevens Institute of Technology, March 2, 2021**  
Margaret Schedel, Robert Cosgrove, Nick Hwang
- 2021 **ACM SIGGRAPH SPARKS February 2021: Immersion, Interactivity, and Altered Realities - February 26**  
**Rhumblin**  
Margaret Schedel, Robert Cosgrove, Nick Hwang

- 2021 **Presentation on Rhumbline**, February 24, 2021  
Peabody Institute of The Johns Hopkins University Composers Forum  
Margaret Anne Schedel, Brian Smith, Rob Cosgrove, Nick Hwang
- 2021 **Rhumb-line**, Gallery North, Virtual Artist Encounters, GalleryNorth.org, January 16, 2021, Artist talk with Margaret Schedel, Robert Cosgrove, and Brian Smith
- 2020 **Caravanserais: Sonic Ecology 2020**, Hong Kong New Music Ensemble, Presentation, December 5, Presentation with Margaret Schedel, Robert Cosgrove, and Brian Smith
- 2020 **NowNet Arts Conference 2020**, Network Arts and Social Distance: Capacities and Innovations, November 5, Performance and Discussion with Eric Sheffield, Jeff Herriott, Anna Weisling, and Anthony T. Marasco
- 2020 **Hong Kong New Music Ensemble**,  
Paper Presentation: Rhumb-Line: Anthropocenic Sound Mapping on the Web  
Dec, 6, Margaret Schedel, Robert Cosgrove, Brian Smith, Nick Hwang
- 2020 **Emerging Game Audio Programs panel (invited)**, Game Sound Conference, October 5, 2020, with Eric Honour and David Javelosa
- 2020 **Creating Networked Circuit-Bent NIMEs with Bendit\_I/O**, workshop, New Instruments of Music Expression Conference, Virtual, June 22, 2020 (peer-reviewed)
- 2020 **Building Networked Performances Using Node**, workshop, MoxSonic Missouri Experimental Sonic Arts Festival, University of Central Missouri, March 5-7, 2020 (peer-reviewed)
- 2018 **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 (peer-reviewed)
- 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)
- 2017 **AEMI (Actuated Embedded Musical Instrument)** - Guthman Musical Instrument Competition, Georgia Tech
- 2017 **Recent Research and Creative Activities**, speaker for the WSTS at UW-Platteville
- 2013 **Music Technology Session**, panel (invited)  
Fulbright Science & Technology Conference, New Orleans, LA. with Tae Hong Park, Jeff Albert
- 2013 **Musical interactions with GUA**, presentation (peer-reviewed)  
South Central Regional Tuba and Euphonium Conference, LSU, Baton Rouge, LA
- 2012 **Technical presentation on underlying technologies developed: GUA**, presentation, International Tuba Euphonium Conference, Linz, Austria
- 2012 **Music by Design**, TEDxLSU  
Louisiana State University, Baton Rouge, LA  
<http://www.tedxlsu.com>; <http://www.youtube.com/watch?v=esIMFVAhbYI>
- 2012 **GUA: Development of a instrument**, paper  
National Student Electronic Music Event, Temple University, Philadelphia, PA

- 2012 **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**, (peer-reviewed) Presentation - Society for Laptop Ensembles and Orchestras, Louisiana State University, Baton Rouge, LA
- 2012 **Performance and Control Nomenclature for Laptop Orchestra Works**, poster Presentation - Society for Laptop Ensembles and Orchestras, Louisiana State University, Baton Rouge, LA
- 2011 **GUA: A New Digital Instrument**, paper (peer-reviewed)  
Electroacoustic Barn Dance, University of Mary Washington, Fredericksburg, VA

#### OTHER PERFORMANCES

- 2021 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
- 2021 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
- 2019 Musical Performance with *The Bell Monks* at the 'ElectroAcoustic Barn Dance' at Jacksonville University with Jeff Herriott and Eric Sheffield. November 14-16, 2019
- 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
- 2018 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)
- 2018 Performance with Stephen David Beck at University of Wisconsin-Whitewater, WI. Electronic works by Beck and Ge Wang (Feb 22, 2018)
- 2017 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* was with created instrument AEMI. (Feb 10, 2018)
- 2017 Musical performance with Guest Artist Ben Willis, bassist, and Matt Sintchak. Light Recital Hall, UWW. Performance of *Improvisations* by Ben Willis created instrument AEMI. (Oct. 31, 2017)

#### SELECT COMPOSITION PERFORMANCES

(\*\* premiere)

- 2023 **Scavengers - Voice, Marimba, and Tactile Tranducers** \*\*  
New Media Ensemble, UW-Whitewater, May 2023
- 2023 **You are the Product** - A mobile phone audience participation piece  
MoxSonic Music Festival, March 2023  
University of Central Missouri, Hart Hall
- 2022 **SHP of THSEUS** -  
MoxSonic Music Festival, March 2023.



- Anthony T. Marasco, Jeff Herriott, Eric Sheffield, Nick Hwang performers (peer reviewed)
- 2022 **You are the Product \*\***  
New Media Ensemble Concert, May 2022  
University of Wisconsin-Whitewater, Light Recital Hall
- 2022 **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
- 2022 **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 (peer reviewed)
- 2020 Performance / Demonstration: **RE/SHIFT/ER, SHP of THSEUS - 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 (peer reviewed)
- 2020 **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 (peer reviewed)
- 2020 **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 (peer reviewed)
- 2020 **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 (peer reviewed)
- 2019 **Moment - (Electric Guitar and Electronics) - Root Signals Music Festival - Eric Sheffield, Georgia Southern University**
- 2017 **Nocturne for Saxophone Quartet**  
2017 - University of Wisconsin-Whitewater Saxophone Quartet, Whitewater, WI
- 2016 **The Phloem and the Xylem (Mixed Ensemble and Electronics) - Cosmographie Show- UW-Whitewater, Light Recital Hall**  
Earth Day, April 2016
- 2016 **Presidential Cycles (Laptop Duo) - The Body Electric Show - UW-Whitewater, Light Recital Hall**  
Jesse Allison and Nick Hwang
- 2014 **Sunset - Flute, Bb Clarinet, and Piano**  
2014 - Versipel New Music Collective concert series, New Orleans, LA\*\*
- 2014 **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)\*\*
- 2013 **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\*\*
- 2012 **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 \*\*
- 2012 **Clariphon** (solo clarinet, commissioned by Arianna Tieghi)  
 2012 - International Arts Educators Forum, Citta di Castello, Italy \*\*
- 2012 **Pluck** (Solo Cello and Laptop Orchestra with wii-motes)  
 2013 - Laptop Orchestra Concert, Baton Rouge, Louisiana  
 2012 - Society for Laptop Ensembles and Orchestra symposium, Baton Rouge,  
 Louisiana
- 2012 **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
- 2012 **Pop Reference** (fixed media)  
 2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium,  
 University of Reno, Nevada  
 2012 - Electric Latex, University of Texas-Austin
- 2011 **What the Freq** for Laptop Orchestra  
 2012 - Laptop Orchestra of Louisiana, Baton Rouge, LA
- 2011 **Semi-Tubular** for Trombone and Electronics  
 2011 - High Voltage Concert, Jeff Albert, Baton Rouge, Louisiana
- 2011 **Social Structure [ Construction no. 1 ]** - (Constructed Speaker Cubes, Video  
 Tracking, Projections)  
 2011 - Pixilerations v.8, Brown University, Providence, RI
- 2011 **Wait** (fixed media)  
 2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium,  
 University of Reno, Nevada  
 2011 - Electroacoustic Barn Dance, U of Mary Washington, Fredericksburg, VA
- 2010 **Moment** for Solo Cello  
 2010 - Pedro Huff, NACUSA MidSouth Chapter Concert, Louisiana State  
 University, LA
- 2010 **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) \*\*

2010 **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

2010 **Louisiana Rain for Two Percussions**  
2010 - New Music Festival, Dana Difilippantonio, Jude Traxler, Louisiana State University, Baton Rouge, LA

2010 **Allie's Back Porch** (fixed media)  
2010 - International Computer Music Conference, New York University - Stony Brook, New York, NY

2010 **What the Bells** for Laptop Orchestra  
2010 - Laptop Orchestra of Louisiana, Baton Rouge, LA

2009 **Nocturne** for String Orchestra  
2011 - Louisiana Sinfonietta, Baton Rouge, LA  
2009 - Louisiana Sinfonietta, Baton Rouge, LA \*\*

2009 **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

2008 **Night** for Full Orchestra  
2009 - Reading by Louisiana State University

2008 **String Quartet No. 2**  
2009 - New Music Festival, Louisiana State University, Baton Rouge, LA  
2009 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA  
2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA \*\*

2008 **Chortle** for stereo playback  
High Voltage Concert - Louisiana State University, LA

2008 **Adjacency** for Solo Flute  
2010 - NACUSA South Central Concert, Louisiana State University, LA  
2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA \*\*

2008 **Clarify** for Solo Violin  
2009 - NACUSA South Central Concert, Louisiana State University, LA  
2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA \*\*

2007 **Fatigue** for two-channel playback  
2007 - High Voltage Concert - Louisiana State University, LA

2007 **Breakbeat** for two-channel playback  
2007 - High Voltage Concert - Louisiana State University, LA

2006 **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

- 2006 **Memories** for Mixed Ensemble  
2006 - LSU New Music Ensemble Concert
- 2006 **Quintet for Woodwinds**  
2008 - Nick Hwang Master's Recital, Louisiana State University, Baton Rouge, LA  
2007 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA
- 2006 **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
- 2006 **Entropy** for Mixed Percussion  
2006 - New Music Festival, Louisiana State University, Baton Rouge, LA  
2006 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA \*\*
- 2005 **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
- 2005 **In Reverie** for Alto Saxophone and Piano  
2008 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA  
2005 - Nick Hwang Bachelor's Recital, Derek Savko, Gainesville, FL
- 2005 **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 - Nick Hwang Bachelor's Recital, Derek Savko, Gainesville, FL \*\*
- 2005 **Sonata** for Oboe  
2007 - NACUSA MidSouth Chapter Concert, Louisiana State University, LA  
2005 - Nick Hwang Bachelor's Recital, Diana Chen, Gainesville, FL \*\*

#### EXHIBITIONS / INSTALLATIONS / VIDEO GAMES / SOFTWARE

- 2024 **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>)
- 2022 *v.erses*, an installation with interactive video/sound (July 2022)  
*Shall Make Shall Be* Exhibit, Federal Hall, NY  
Meg Schedel, Melissa Clarke, Nick Hwang, Omkhar Bhatt
- 2022 **Collab-Hub Client Max Package**, a package library for the programming language Max  
Published internally in Max IDE  
<https://github.com/Collab-Hub-io/Collab-Hub-Max-Client>  
Released April 2022
- 2021 **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?id=com.PrettyKittyGames.Tapping\\_Music](https://play.google.com/store/apps/details?id=com.PrettyKittyGames.Tapping_Music))  
Released December 6, 2021

- 2021 **Rhumbline: Spatial Listening of Zoomorphic Musical Robots**, Interactive Installation, New Instruments of Musical Expression Conference | Shanghai, June 14-18, 2021
- 2021 **Rhumbline**, Interactive Installation, Margaret Schedel, Nick Hwang, Rob Cosgrove, Brian Smith, Society for ElectroAcoustic Music in the United States, Virtual, April 23, 2021
- 2019 **Vo-lo-roo**, Interactive Game Installation, Jeff Herriott and Bill Miller, ElectroAcoustic Barn Dance, Jacksonville University, Nov 14-16, 2019
- 2019 **We Give Our Consent**, Interactive Art Exhibit, Jeff Herriott and Bill Miller, Crossman Gallery, UW-Whitewater, Feb 7-26, 2019
- 2019 **Moving Portraits**, Interactive Installation the Roberts Gallery, UW-Whitewater, April 3-17, 2019
- 2018 **Moving Portraits**, Interactive Installation for Warriors and Wizards Festival, Jefferson, WI
- 2018 **Potion Gathering** (Oculus) - Virtual Reality game. Logan Docherty, Ian McVey, Todd Noreen  
<http://prettykittygames.com>
- 2017 **Let's Explore Yellowstone** (PC, MAC) - Educational Game. Katherine Stull, Christian Heide, Brandon Gill, <http://yellowstonegame.com>
- 2016 **Mirror** - Interactive installation  
Crossman Gallery, Center for the Arts, University of Wisconsin-Whitewater, WI
- 2015 **Road Impressions** from *On the Road Connecting Us* show  
Interactive Collaboration with Sheryl Southwick, Baton Rouge, LA
- 2015 **Immersive Sound Installation** (invited) for Emerge Center of Baton Rouge, LA
- 2015 **Traces: Venice**  
Sonic Installation collaboration with Sandra Russel Clark  
LSU Museum of Art, Baton Rouge, LA
- 2015 Spatialized sonic walk for **Baton Rouge Gallery Surreal Salon Soiree** (invited), Baton Rouge, LA
- 2014 **Soft Impressions** interactive installation at Prospect3+BR Arts Biennial (Baton Rouge)
- 2014 **Transportal** Cross-campus interactive musical installation at LSU
- 2014 Spatialized sonic walk for **Baton Rouge Gallery Surreal Salon Soiree**
- 2013 **Entwined** A pair of interactive sculptures (invited) **Uncommon Thread: Wearable Art Show**
- 2013 **Exquisite Corpse** Interactive video installation at the **Baton Rouge Gallery Surreal Salon Soiree**
- 2013 **Papyrus** interactive sonic installation for the **Baton Rouge Blues Festival**  
Downtown Baton Rouge, Louisiana
- 2012 **Coelocyte**, **Panta Rhei**, and **Panoply** (three installations) in SPACES: an interactive art show, Baton Rouge
- 2012 **Oosphere** interactive installation at Fluxswitch art show, Downtown Baton Rouge, Louisiana
- 2012 **Dough-drop**, A Sight for Sore Eyes art show, Downtown Baton Rouge, Louisiana  
a sonic installation (interactive programming and sensor hardware)
- 2012 **Social Structure [ Construction no. 1 ]**

- SEAMUS2012, Lawrence University, Appleton, Wisconsin
- New Instruments of Musical Expression, University of Michigan, Ann Arbor, Michigan

2011 **Social Structure [ Construction no. 1 ]**

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

THEATRE / FILM MUSIC / SOUND DESIGN

- 2019 (Commissioned) Sound Design and music for Dr. John's Folks Middle School Theatre's performance of *Everyman in the circus of life* (Feb. 8 & 15, 2019)
- 2015 Sound Design and Engineering for RED by John Logan with Bridge Nouveau Theatre Company
- 2014 Origin, a 40-minute electronic composition for LSU's Movement Theatre Department  
New Wave Film Score for LSU's French Film Studies Documentary
- 2013 Commercial Foley and Audio Editing for Poon Films  
Sound and Foley for LSU Films Night Herons
- 2011 Arrangement for A Funny Thing Happened on the Way to the Forum, Bonnabel High School, New Orleans, LA
- 2010 Sound Design and Incidental Music for An Evening of Chekhov, LSU Theatre
- 2010 Sound Design and Incidental Music for The Importance of Being Earnest, LSU Theatre
- 2009 Music Director and Arranger for Musical Promenade, LSU Theatre

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

AREAS OF EXPERTISE

TOPICS

interactivity, acoustic and electroacoustic music composition, history and analysis of electroacoustic music, acoustics, digital, signal processing, sound design, audio programming, live coding, improvisation, multimedia, game design, game development

## PROFICIENCY IN SOFTWARE AND PROGRAMMING LANGUAGES

Finale, Max/MSP, ChucK, Logic, ProTools, Arduino, Reason, Unity, C#, Adobe Illustrator, Photoshop, Premiere, Final Cut Pro, 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)

## REFERENCES

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