

Assistant Professor  
Media Arts and Game Development (MAGD)  
University of Wisconsin-Whitewater  
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Whitewater, WI 53190  
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2019.2.13

## EDUCATION

- 2016      PhD, Music Composition, Experimental Music & Digital Media, Louisiana State University - *AEMI: The Actuated Embedded Musical Instrument*. Dissertation Fellow, Teaching Assistant to Stephen David Beck, Jesse Allison
- 2008      Master of Music, Music Composition, Louisiana State University  
Graduate Assistant to Dinos Constantinides
- 2005      Bachelor of Arts, Music Composition and Theory, University of Florida  
James Paul Sain, Paul Richards, Paul Koonce, Paul Basler
- 2011      Stanford University, New Music Controllers, Edgar Berdahl  
Masterclasses John Corigliano, Mark Applebaum, John Mackey, Dan Welcher

## TEACHING

- 2015-pres.      University of Wisconsin-Whitewater, Assistant Professor, Media Arts and Games Development  
*COMM498: Independent Study - Music Composition, Game Development*  
*MAGD488: Advanced Media Arts Team Projects II*  
*MAGD487: Advanced Media Arts Team Projects I*  
*COMM496: Special Studies: Intermediate Game Development*  
*COMM490: Game Development Workshop*  
*MAGD272: Introduction to Game Development*  
*MAGD271: Interactive Communication*  
*MAGD150: Introduction to Media Arts and Game Development*  
*MUSC457: Music Composition*  
*COMM239: Audio Production I*
- 2017-pres.      UW-Whitewater - Game Development Summer Camp
- 2018      UW-Whitewater - Grandparent University (Game Development)
- 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
- 2017-pres.      UW-Whitewater - Game Development Summer Camp

## TEACHING (cont'd)

- 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

## WORK EXPERIENCE

- 2018 Co-Founder and Technical Lead - Concept Blue Media
- 2015-2016 Lecturer, University of Wisconsin-Whitewater
- 2014-2015 Graduate Assistant - LSU Libraries Media and Communications
- 2008-2013 Graduate Assistant Research - Center for Computing and Technology and Music and Dramatic Arts
- 2007-pres. Louisiana Sinfonietta Webmaster and Administrative Assistant  
([www.LouisianaSinfonietta.org](http://www.LouisianaSinfonietta.org))
- 2007-2008 LSU Recording Studio
- 2005-2008 Graduate Assistant to Dinos Constantinides

## PROFESSIONAL SERVICE

- 2019 Conference Reviewer - New Instruments of Music Expression (NIME)
- 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

- 2018 UWW/Rock County Math Pathways Initiative Campus 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 myself, **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 Music Department History/Theory Colloquium

## UWW DEPARTMENTAL SERVICE

- 2018 Member, Recruitment and Retention Committee
- 2018 Member, Graduate Committee
- 2018 Member, Media Arts and Game Development Expo Committee

#### UWW DEPARTMENTAL SERVICE (cont'd)

- 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 Member, Media Arts and Game Development Assessment Committee
- 2017 Member, Graduate Committee
- 2016 Hosted Jesse Allison, visiting composer, speaker

#### COMMUNITY SERVICE

- 2015-2019. Global Game Jam Site Coordinator (Annual 48-hour event)
- 2017 Digital Media Consultant for 'Wachs for Wisconsin' Governor Campaign, providing web services, graphic and photo creation/editing (Dec 2017-June 2018)
- 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

- 2018 UltraHaptics International Student Competition (1st Place) - **Hands of Time**  
Hand Therapy Video Game - Luke Lamberg, Nicole Nelson, Brandon Hanabarger
- 2016 Undergraduate Research Supervisor, Katherine Stull

#### UWW GRANT AND SUPPORT

- 2018 FIRE Grant – 'We Give Our Consent' - creation and installation of gallery show on privacy with A. Bill Miller and Jeff Herriott

#### PROFESSIONAL GRANTS, SUPPORT, AND COMMISSIONS

- 2018 UWW Communication Department Research Award
- 2018 Commissioned Musical Composition for the Obrigado Saxophone Quartet
- 2018 UWW Teaching Scholars Program fellow
- 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
- 2012 LSU Digital Media Fest 1st place
- 2012 Kickstarter Campaign - \$3,300 - Performance funding for European Premiere (ITEC: Linz, Austria)
- 2008-2011 School of Music Assistantship: Stephen David Beck

## PROFESSIONAL GRANTS, SUPPORT, AND COMMISSIONS (cont'd)

2005-2007	School of Music Assistantship: Dinos Constantinides
2007-2008	School of Music Assistantship: Recording Studio
2014	\$3500 - LSU EnOvation Grant - creation of Transportal interactive installation \$700 - Travel Funding for Edinburgh Fringe - Online Crowdfunding \$250 - Haymon Student Travel Grants: N-SEME2014, Statesboro
2013	\$350 - Haymon Student Travel Grants: N-SEME2013, Philadelphia
2012	\$300 - Haymon Student Travel Grants: International Tuba Euphonium Conference, Austria 2012
2011	\$350 - Haymon Student Travel Grants: SEAMUS 2011 \$300 - Haymon Student Travel Grants: ICMC 2011 \$300 - International Society of Improvised Music 2011

## RECENT CONFERENCES / FESTIVALS / CREATIVE ACTIVITIES

### CONFERENCE PUBLICATIONS

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

2018	<b>Teaching Music Technology in Diverse Interdisciplinary Classrooms</b> , invited panel, ElectroAcoustic Band Dance Festival, Jacksonville University
2018	<b>AEMI: The Actuated Embedded Musical Instrument</b> presentation - Society for ElectroAcoustic Music in the United States, University of Oregon (peer reviewed)
2018	<b>Higher Ed Game Development in Wisconsin</b> panel, M-Dev Game Development Conference, Madison, WI
2017	<b>AEMI</b> (Actuated Embedded Musical Instrument) - Guthman Musical Instrument Competition, Georgia Tech
2017	<b>Recent Research and Creative Activities</b> , speaker, for the WSTS at UW- Platteville
2013	<b>Music Technology Session</b> , panel (invited) Fulbright Science & Technology Conference, New Orleans, LA. with Tae Hong Park, Jeff Albert
2013	<b>Musical interactions with GUA</b> , presentation (peer-reviewed) South Central Regional Tuba and Euphonium Conference, LSU, Baton Rouge, LA
2012	<b>Technical presentation on underlying technologies developed: GUA</b> , presentation, International Tuba Euphonium Conference, Linz, Austria
2012	<b>Music by Design</b> , TEDxLSU Louisiana State University, Baton Rouge, LA <a href="http://www.tedxlsu.com">http://www.tedxlsu.com</a> ; <a href="http://www.youtube.com/watch?v=esIMFVAhbYI">http://www.youtube.com/watch?v=esIMFVAhbYI</a>

PAPERS / PRESENTATIONS (cont'd)

- 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

- 2019       Musical Performance with Eric Sheffield for 'Root Signals Music Festival' at Georgia Southern University.
- 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 COMPOSITIONS

(\*\* world premiere)

- 2016       **The Phloem and the Xylem** (Mixed Ensemble and Electronics) - Cosmographie Show- UW-Whitewater, Light Recital Hall
- 2016       **Presidential Cycles** (Laptop Duo) - The Body Electric Show - UW-Whitewater, Light Recital Hall
- 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)

SELECT COMPOSITIONS (cont'd)

- 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)  
  
2012 - Society for Laptop Ensembles and Orchestra symposium, Baton Rouge,  
Louisiana
- 2012        **Pop Reference** (fixed media)  
2012 - Prospectives International Digital Art Festival, Fleischmann Planetarium,  
University of Reno, Nevada
- 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, Mary Washington University, Fredericksburg,  
VA
- 2010        **GUA** (electronic musical instrument)

SELECT COMPOSITIONS (cont'd)

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 **Allie's Back Porch** (fixed media)

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

EXHIBITIONS / INSTALLATIONS / VIDEO GAMES

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

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 *I 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**

EXHIBITIONS / INSTALLATIONS / VIDEO GAMES (cont'd)

- 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

- 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

### 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

### TECHNICAL

games development, concert production, live audio recording, sound engineering, live sound reinforcement, graphic design

### STUDIO WORK

software/hardware installation & maintenance, computer systems maintenance, website/database management

## 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