

Assistant Professor
Media Arts and Game Development (MAGD)
University of Wisconsin-Whitewater
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2018.11.03

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)
- 2007-2008 LSU Recording Studio
- 2005-2008 Graduate Assistant to Dinos Constantinides

PROFESSIONAL SERVICE

- 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 Computeers*

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
- 2017 Hosted Stephen David Beck, SonicT Music Concert and Speaker

UWW DEPARTMENTAL SERVICE (cont'd)

- 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-Present. 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
- 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 **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
- 2017 **AEMI (Actuated Embedded Musical Instrument)** - Guthman Musical Instrument
 Competition, Georgia Tech
- 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

PAPERS / PRESENTATIONS (cont'd)

- 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

RECENT PERFORMANCES

- 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)
- 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

SELECT COMPOSITIONS (cont'd)

- 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)
- 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

SELECT COMPOSITIONS (cont'd)

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

EXHIBITIONS / INSTALLATIONS / VIDEO GAMES

- 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**
- 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

EXHIBITIONS / INSTALLATIONS / VIDEO GAMES (cont'd)

- 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
- THEATRE / FILM MUSIC / SOUND DESIGN (cont'd)
- 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