

Courtney Douglass Brown

<http://www.courtney-brown.net>

browncd@smu.edu

ACADEMIC POSITION

2017- Assistant Professor, Center for Creative Computation
Southern Methodist University, Dallas, TX

EDUCATION

2017 DMA, Interdisciplinary Digital Media and Performance
Arizona State University, Tempe, AZ
Dissertation: *Interactive Tango Milonga*: An exploration of the experience of connection via an interactive system giving tango dancers agency over music in the social dance context
Committee: Garth Paine (Chair), Sabine Feisst, Pavan Turaga

2008 MA, Electroacoustic Music
Dartmouth College, Hanover, NH
Thesis: *The Aesthetics of Losing Control*: A phenomenological investigation of fractured modes of embodied experience via musical interfaces designed to cause performer failure
Committee: Newton Armstrong (Chair), Larry Polansky, Michael Casey

2002 BS, Magna Cum Laude, Music and Computer Science
Loyola University, New Orleans, LA

GRANTS, AWARDS, RESIDENCIES

International and National Grants, Awards, and Residencies

2022 Fulbright Canada Research Chair in Arts and Humanities, University of Alberta, Canada
for *Dinosaur Choir*

2021 SloMoCo (ACM Movement & Computing Conference 2021) Micro-residency, Summer/Fall
for *Skin Hunger*

2015 Prix Ars Electronica, Honorary Mention in Digital Musics & Sound Art
for *Rawr! A Study in Sonic Skulls*
International Computer Music Conference (ICMC) 2015 Best Student Music Submission Award
for *How to Speak Dinosaur: Courtship*

2014 2013-14 Fulbright US Student Research Award, Music Composition: Buenos Aires,
for *Interactive Tango Milonga*
Love of Learning Grant, Phi Kappa Phi
New Music USA Grant, collaborator composer for Meehan/Perkins Duo Submission

2009 Associate Artist with Mark Applebaum, Atlantic Center for the Arts, New Smyrna Beach, FL
ASCAP Foundation Morton Gould Young Composer Awards, finalist
for *losing love in magnetic time*

1998 National Merit finalist

Selected University Grants, Honors, and Awards

2022 Meadows Faculty Development Grant

2016 ASU, 2016-17 Dissertation Fellowship

2015 ASU, PAVE Arts Venture Incubator Seed Funding
ASU, Student Enrichment Grant

2011 ASU, School of Music, Special Talent Award

- 2008 Dartmouth College Graduate Fellowship, (2006–8)
 2002 Outstanding Computer Science Major, Loyola University New Orleans

PERFORMANCES AND EXHIBITIONS

Juried and Peer-reviewed Performances

- 2022 Sound and Music Computing (SMC) Festival 2022
 Jun. 8, 2022, Le Corbusier Cathedral, Firminy, France
Hadrosaur Variations II
 New York City Electroacoustic Music Festival (NYCEMF) 2022
 Jun. 26, 2022, New York, NY
Hadrosaur Variations I
 New Musical Interfaces for Musical Expression Conference (NIME) Conference 2022
 Jun.-Jul. 2022, University of New Zealand, Auckland, NZ
Hadrosaur Variations II
- 2021 International Computer Music Conference (ICMC) 2020/21
 Pontificia Universidad Católica de Chile, Santiago, Chile
Lament: An Interactive Cabaret Song
 Conference for 2020 combined with 2021 due to COVID-19
 Society for Electroacoustic Music in the US (SEAMUS) Conference 2021
 Virtual Conference Hosted by Multiple Locations
Lament: An Interactive Cabaret Song
 Art Lounge, Society for the Literature, Science and the Arts 2021
 Virtual Conference hosted by University of Michigan, Ann Arbor
Skin Hunger, Performance version, with Brent Brimhall, Ru Ferguson, dancers
- 2020 New Musical Interfaces for Musical Expression Conference (NIME) Conference 2020
 July 2020, Royal Birmingham Conservatoire, Birmingham, UK
Machine Tango, with Brent Brimhall, Argentine tango dancer
 Online presentation due to COVID-19.
 New York Electroacoustic Music Festival (NYCEMF) 2020
 June 14-21, 2020, New York University, New York, NY
Machine Tango, with Brent Brimhall, Argentine tango dancer
 Online presentation due to COVID-19.
 Society for Electroacoustic Music in the US (SEAMUS) Conference 2020
 University of Virginia, Charlottesville, VA
Machine Tango, with Brent Brimhall, Argentine tango dancer
 Online presentation due to COVID-19.
 Alliance of Women in Media Arts and Sciences (AWMAS) Conference 2020
 University of California, Santa Barbara, CA
Puente, with Brent Brimhall, Argentine tango dancer
- 2019 International Conference on Tangible, Embedded, and Embodied Interactions (TEI)
 Tempe Center of the Arts, Tempe, AZ
Machine Tango, with Brent Brimhall, Argentine tango dancer
 MOXsonic, Missouri Experimental Arts Festival
 University of Central Missouri Center for Music Technology, Warrensburg, MO
Machine Tango, with Brent Brimhall, Argentine tango dancer
- 2018 Electronic Music Midwest Festival (EMM) 2018, Lewis University, Illinois
Puente: A Study in Interactive Tango Dance, with Brent Brimhall, Argentine tango dancer
 International Computer Music Conference (ICMC) 2018, Daegu, Korea
Puente: A Study in Interactive Tango Dance, with Brent Brimhall, Argentine tango dancer
 International Conference on Movement and Computing (MOCO) 2018

- Casa Paganini - Infomus, DIBRIS, University of Genoa, Italy
Puente: A Study in Interactive Tango Dance, with Brent Brimhall, Argentine tango dancer
Interactive Tango Milonga Demonstration as social dance installation
 Itinerant Performance Art Festival NYC, New York, NY
Puente: A Study in Interactive Tango Dance, with Brent Brimhall, Argentine tango dancer
- 2016 International Conference on Live Interfaces (ICLI) 2016, University of Sussex, UK
Interactive Tango Milonga: Fragments, with Brent Brimhall, Argentine tango dancer
 Society for Electroacoustic Music in the US (SEAMUS) Conference, 2016, USG, Georgia
 Electroacoustic Improvisation with gbjck trio (*Rawr!*, Justin Kennedy, voice, Garrett Johnson, cello)
- 2015 International Computer Music Conference (ICMC) 2015, UNT, Denton, TX
How to Speak Dinosaur: Courtship, with David Earll, tuba
- 2009 New York Electroacoustic Music Festival, City University of New York
losing love in magnetic time, CUNY Percussion Studio
 Vox Novus 60X60 Project, International and Evolution mixes, 2008, Order of Magnitude Mix, 2010
Places in Time become Magnetic
- 2008 SEAMUS Conference, Salt Lake City, UT
Pop Presto No. 2

Juried and Peer-reviewed Group Exhibitions and Installations

- 2022 ACM Conference on Movement and Computing (MOCO) 2022, Chicago, IL
 Practice Works Presentation of *Skin Hunger*
- 2021 #social 2021, CICA Museum, Gyeonggi-do, Korea
Skin Hunger
 Society for Electroacoustic Music in the US (SEAMUS) Conference 2021
 Virtual Conference Hosted by Multiple Locations
Skin Hunger
- 2018 New Interfaces for Musical Expression Conference (NIME), Blacksburg, VA
Interactive Tango Milonga as social dance installation (Curated/Juried Workshop)
- 2015 Ars Electronica Festival, CyberArts 2015, Linz, Austria
Rawr! A Study in Sonic Skulls and Improvisational Performance, Sept. 5
 New York City Electroacoustic Music Festival, New York, NY
Blown Away, contact microphones and interactive video
- 2014 New Interfaces for Musical Expression (NIME) / BEAM Festival, London, UK
Rawr! A Study in Sonic Skulls

Invited Performances

- 2016 International Tuba Euphonium Conference, University of Tenn., Knoxville, TN
How to Speak Dinosaur: Courtship, with David Earll, tuba
 Frequency Festival, Constellation, Chicago, IL
losing love in magnetic time, performed by Meehan/Perkins Duo
- 2015 Third Practice Festival, Richmond, VA
How to Speak Dinosaur: Courtship, with David Earll, tuba
 SSOO Festival, Flagstaff, AZ
Interactive Tango Milonga, as performance, with Brent Brimhall, Argentine tango dancer
- 2011 Gowanus Wildlife Preserve Showcase, Spoke the Hub, Brooklyn, NY
Abacus for the Body
- 2010 VCW Performance, Diapason Gallery, Brooklyn, NY
I'll huff and puff and I'll blow your house down!, with Gennette Gill, Jacqueline Arias
 Provocative Objects, Patricia Doran Gallery, Boston, MA
Volcadas con Silla
- 2009 Juddertone Dance 2009, Boston University Theater, Boston, MA
Crowded, with Nu Dance Theater

InsideOUT, Atlantic Center for the Arts, New Smyrna Beach, FL
Balancing Act
 The Murder Cabaret, The Tank, 45 Street Theater, New York, NY
Every Night I Lose Control

Invited Group Exhibitions and Installations

- 2022 *Terrestrial Voices*, AyarKut Foundation (Commission)
 Feb. 1, Virtual Exhibition, Yakutia, Sakha Republic, Russia
Recovering what we have not yet found
- 2017 *Re-Embodied*, Telfair Museums, Jepson Center, Savannah, GA
Rawr! A Study in Sonic Skulls
- 2016 Resonant Structures, Inter-space Gallery, New York, NY
Rawr! A Study in Sonic Skulls
 EarFest 2016, Resonant Structures, Zuccaire Gallery, Stony Brook University, NY
Rawr! A Study in Sonic Skulls
- 2015 Exhibiting Sound, University of Alberta, DC3 Art Projects Gallery, Edmonton, Alberta, CN
Rawr! A Study in Sonic Skulls

Selected Performances

- 2022 A Festival of Form, John Cage & the Infinite Human, SMU, Dallas, TX
Hadrosaur Variations II
- 2021 Art Faculty Show, Pollock Gallery, SMU, Dallas, TX
Hadrosaur Variations
- 2019 Creative Computation Showcase, SMU, Dallas, TX
Lament: An Interactive Cabaret Song
- 2018 Collabo Show, SMU, Dallas, TX
Machine Tango, with Brent Brimhall, Argentine tango dancer
 Big Beat Down! Creative Computation Showcase, SMU, Dallas, TX
Puente: A Study in Interactive Tango Dance, with Brent Brimhall, Argentine tango dancer
- 2017 Pointe Ensemble Performance, Caruth Auditorium, SMU, Dallas, TX
 Solo and Group Improvisation with *Rawr!*
- 2016 IMM for IDD, Knights of Pythias Lounge, Tempe, AZ
Interactive Tango Milonga: Fragments, with Brent Brimhall, Argentine tango dancer
- 2015 Phoenix Art Museum, Phoenix, AZ
How to Speak Dinosaur: Courtship, with David Earll, tuba
- 2012 Modified Arts Gallery, Roosevelt Row, Feb-May, monthly, Phoenix, AZ
D&SPAIR Club Sonic and Movement Improvisation
 Katzin Recital Hall, School of Music, ASU, Tempe, AZ
Telephone Tango, performed by Laptop Orchestra of Arizona State
- 2011 Art in Motion, Apr. 15-17, 2011, Downtown Live, Jersey City, NJ
Art in Motion: The stories we are, performed by myself and Insurgo State Project
- 2010 Triskelion, Jun. 3-5, 2010, Brooklyn, NY
Crowded, with Nu Dance Theater, myself, live electronics/laptop, accordion, soprano voice
- 2009 *Every Night I Lose Control* tour, 2007-9
 Monkeytown, The Tank (NYC), The Red Room (Baltimore, MD), The NightLight (Chapel Hill, NC), Outpost 186, The Lilypad, CyberArts Festival (Boston, MA), Firehouse 13 (Providence, RI), McGuffey Art Center (Charlottesville, VA), Princeton University, Hartt School of Music, The Lighthouse (Washington, DC)

Selected Exhibitions and Installations

- 2021 *Skin Hunger* Telematic Installation
 Concurrent and connecting five universities.

- Hamon Library, SMU, Dallas, TX
 University of Texas, Dallas, TX
 University of North Texas, Denton, TX
 Arizona State University, Tempe, AZ
 Florida Southwestern State College, FL
- 2016 Tango For All, Phoenix, AZ
Interactive Tango Milonga, as social dance installation for wheelchair tango
 El Abrazo Practica, Scottsdale, AZ
Interactive Tango Milonga, as social dance installation
 ASU Global Institute of Sustainability Tenth Anniversary Celebration, Tempe, AZ
Rawr! A Study in Sonic Skulls
- 2013 Cartographies, Solo Exhibition, Digital Culture Gallery, ASU, Tempe, AZ
Blown Away and In Transit
 Microtonal Music Festival, ASU, Tempe, AZ
lo atamos con alambre

PUBLICATIONS

Conference Proceedings and Book Chapters (Peer-reviewed/Juried)

- Brown, C., Greenberg, I., & Brimhall, B. (2022). Skin Hunger: A Telematic Performance. *Proceedings of the 8th International Conference on Movement and Computing - MOCO '22*, Chicago, IL. ACM Extended Abstract.
- Brown, C. (2020). Lament: An Interactive Cabaret Song. *Proceedings of the International Conference on Movement and Computing - MOCO '20*, Jersey City, NJ. ACM Extended Abstract.
- Brown, C. & Paine, G. (2019) A Case Study in Collaborative Learning via Participatory Music Interactive Systems: Interactive Tango Milonga. In Holland, S., Wilkie, K., Mudd, T., Wanderley, M., McPherson, A. (Eds.), *New Directions in Music and Human-Computer Interaction*. London: Springer.
- Brown, C. (2019). Machine Tango: An Interactive Tango Dance Performance. *Proceedings of the 13th ACM International Conference on Tangible, Embedded and Embodied Interaction- TEI '19*, Tempe, AZ, Arizona State University. ACM Extended Abstract.
- Brown, C. (2018). Interactive Tango Milonga: Designing DMIs for the Social Dance Context. *Proceedings of the 18th International Conference on New Interfaces for Musical Expression - NIME '18*, Blacksburg, VA, Virginia Tech.
- Brown, C., & Paine, G. (2015). Towards an Interactive Tango Milonga. *Proceedings of the 41st International Computer Music Conference - ICMC '15*, Denton, TX, University of North Texas.
- Brown, C., & Paine, G. (2015). Interactive Tango Milonga. *Proceedings of the 2nd International Workshop on Movement and Computing - MOCO '15*, Vancouver, British Columbia, Simon Fraser University, 17-20. doi:10.1145/2790994.2791013.
- Brown, C., Razzaque, S., & Paine, G. (2015). Rawr! Study in Sonic Skulls: Embodied Natural History. In *Proceedings of the International Conference on New Interfaces for Musical Expression – NIME '15*, Baton Rouge, LA, Louisiana State University, 5-10.

Workshop Papers (Peer-reviewed/Juried)

- Brown, C. & Paine, G. (2016). Digital Musical Instruments for Participatory Music: Designing Internal Experience. Music and HCI Workshop at ACM 33rd Human Factors in Computing Systems Conference 2016 (CHI 2016), San Jose, CA

Music Publications (Peer-reviewed/Juried)

- 2015 *How to Speak Dinosaur* included on ICMC 2015 DVD *Looking Back, Looking Forward*

Conference Proceedings (Invited)

- Brown, C. (2022). Skin Hunger. *Proceedings of the 20th International Conference on New Interfaces for Musical Expression - NIME '2021*, University of Auckland, New Zealand. Music Proceedings Extended Abstract.
- Brown, C. (2021). Skin Hunger. *Proceedings of the 19th International Conference on New Interfaces for Musical Expression - NIME '2021*, China. Work-in-Progress Showcase Proceedings Extended Abstract.
- Brown, C. (2020). Machine Tango. *Proceedings of the 18th International Conference on New Interfaces for Musical Expression - NIME '2020*, Birmingham, UK. Music Proceedings Extended Abstract.

PRESENTATIONS AND TALKS

Peer-reviewed/Juried

- 2022 (Upcoming) Future Bodies Symposium, New Media Caucus, Virginia Polytechnic University, VA Sept-Oct 2022, Presentation and Demonstration of *Skin Hunger*
NIMEs with a Story Panel, New Interfaces for Musical Expression Conference 2022, University of Auckland, New Zealand and Virtual, Auckland, NZ
- 2021 SloMoCo (8th International Movement and Computing Workshop 2021)
Summer #1: Living Code and Sharing Abundance. Presentation on *Skin Hunger*.
New Musical Interfaces for Musical Expression Conference (NIME) Conference 2021
New York University Shanghai, Shanghai, China, Work-in-Progress Showcase
Skin Hunger, with Ira Greenberg and Melanie Clemmons
Online presentation due to COVID-19.
- 2020 Lament: An Interactive Cabaret Song. *7th International Workshop on Movement and Computing – MOCO '20*, Jersey City, NJ. Poster Presentation.
- 2018 Interactive Tango Milonga: Designing DMIs for the Social Dance Context. *18th International Conference on New Interfaces for Musical Expression - NIME '18*, Blacksburg, VA, Virginia Tech. Poster Presentation.
- 2015 Towards an Interactive Tango Milonga. *41st International Computer Music Conference - ICMC '15*, Denton, TX, University of North Texas. Short Paper Presentation
Interactive Tango Milonga. *2nd International Workshop on Movement and Computing - MOCO '15*, Vancouver, British Columbia, Simon Fraser University. Short Paper Presentation.
Rawr! Study in Sonic Skulls: Embodied Natural History. *International Conference on New Interfaces for Musical Expression – NIME '15*, Baton Rouge, LA, Louisiana State University. Long Paper Presentation.

Invited Talks, Guest Lectures

- 2021 Becoming Hadrosaur: Musical Instruments as a Window into Natural History, Opening talk, Shifting Praxis in Artistic Research: Research-Creation Symposium, University of Alberta, Edmonton, Alberta, CN
- 2017 Rawr! A Study in Sonic Skulls, Artist Talk and Performance, PULSE Art + Technology Festival, Jepson Center, Telfair Museums, Savannah, GA
- 2016 Interactive Tango Milonga, Poster Presentation and Demo, International Conference for Live Interfaces, University of Sussex, Brighton, UK
- 2015 Rawr! A Study in Sonic Skulls, DE Shaw Research, Inc., New York, NY
- 2014 Interactive Tango Milonga, Centro de Experimentación e Investigación en Artes Electrónicas, Universidad de Tres Febrero, Buenos Aires, Argentina

Workshops

- 2016 Wheelchair Tango Workshops and Practica, Tango for All, Tempe, AZ
- 2014 Experimental Sound and Movement Workshop, Buenos Aires (2014), Tempe, AZ (2015)
- 2011 Argentine Tango Workshop for Beginners, Roanoke, VA

TEACHING EXPERIENCE

Instructor

- 2017- Southern Methodist University, Dallas, TX, Center of Creative Computation
 CRCP 1310 Creative Coding I (Fall 2017, 2021 Spring 2020, 2022)
 CRCP 1330 Sound and Code (Spring 2018, 2019, 2020, 2021, 2022)
 CRCP 3330 Artificial Intelligence and Creative Composition (Fall 2017, 2018, 2019, 2020)
 CRCP 3343 Contemporary Interactive Digital Performance (Spring 2018)
 CRCP 4391 Special Topics: Collaborative Projects (Spring 2021)
 CRCP 5350 Creative Motion Capture (Fall 2018, 2019, 2020)

Teaching Assistantships

- 2011-6 Arizona State University, Tempe, AZ School of Arts, Media, and Engineering
 AME 385/386/485 Collaborative Projects and Capstone (Fall 2015–Spring 2016)
 AME 230 Programming for Media Arts (Spring 2016)
 MDC 311 Composing and Performing for Hybrid Ensembles (Fall 2011–12, 2015)
 MDC 494/598 Advanced Interactive Sound (Spring 2015)
 MDC 211 Introduction to Digital Audio (Spring 2012–13)
- 2007 Dartmouth College, Hanover, NH, Electroacoustic Music Program
 Music 3 Music and Technology, (Fall 2007)
- 2002-3 University of North Carolina, Chapel Hill, NC, Department of Computer Science
 COMP 410 Data Structures, C++ (Spring 2003)
 COMP 110 Introduction to Programming, Java (Fall 2002)

Teaching Interests

Interactive Sound and New Musical Interfaces; Developing NIMEs for Participatory Music; Music, Movement, and Computing; Designing Experiential Systems; Music Cognition and Perception; Computer Vision and Motion Tracking; Laptop Ensembles; The Historical and Social Context of Argentine Tango; History of Experimental, Electroacoustic and Interactive Music; Software Engineering for Interactive Systems; Digital Signal Processing for Sound Applications; Experimental Design for Assessing Media Systems; Physical Computing for Media Art Applications; Digital Sound and Recording; Designing for Participatory Music Applications; Coding for Visual Arts; Algorithmic Music; Interactive Dance; Music Composition; Experimental Sound and Movement Improvisation

PROFESSIONAL AUDIO AND SOFTWARE EXPERIENCE

- 2008-10 Audio Software Developer, New York, NY
 Scratch DJ Academy, LLC.
- 2006–8 Audio Engineer, Audio Systems Researcher, Hanover, NH
 Freelance, Clients include: The Response Network LLC, Dartmouth College Music Dept.
- 2003–6 Software Developer, Durham, NC
 CogniSyst, Inc.

SELECTED MEDIA COVERAGE

- 2020 *International Alliance of Women in Music Journal*, “Inventing Musical Instruments”, C. Brown (Invited article). Fall Issue.
- 2017 *Connect Savannah*, Savannah, GA, “How to Speak Dinosaur” R. Flora. Jan. 4, 2017. Cover story.
- 2016 *Quo*, Science and Technology Magazine and Website, Spain, “Tú hablas dino?” (“Do you speak dino?”). Feb. 18, 2016. <http://www.quo.es/ciencia/asi-hablarian-los-dinosaurios>
- 2015 *Here and Now*, National Public Radio, Boston, MA. “Recreating Dinosaur Sounds With A

- Musical Twist. A. Cline (Producer and Narrator), Nov. 6, 2015.
<http://hereandnow.wbur.org/2015/11/06/dinosaur-skull-instrument>
- Centrum Druki 3D*, Polish 3D Printing website, “Druk 3D pozwolił odtworzyć dźwięki wydawane przez dinozaury.” (“3D printing helped recreate the sounds made by dinosaurs”). L. Dlugosz. Nov. 20, 2015. <http://centrumdruku3d.pl/druk-3d-pozwolil-odtworzyc-dzwieki-wydawane-przez-dinozaury/>
- 3DPrint.com*, 3D Printing website, “3D Printing (re)Produces 65 Million Year Old Mating Call”. H. R. Mendoza. Nov. 19, 2015. <http://3dprint.com/106320/3d-printed-dino-skull-sound/>
- Vue Weekly*, Edmonton, AB. “Exhibiting Sound expands the idea of gallery art.” P. Blinov. Oct. 15, 2015. <http://www.vueweekly.com/exhibiting-sound-expands-the-idea-of-gallery-art/>
- Rzeczpospolita*, Warsaw, Poland. “Ars Electronica – wizje i żarty.” (“Ars Electronica - Visions and Jokes”) M. Kuc. Sep. 9, 2015. <http://www4.rp.pl/Sztuka/309069924-Ars-Electronica--wizje-i-zarty.html>.
- Hispasonic, Fotograma Sonoro*. Spanish language computer music website. “Experimentación con el universo sonoro a través de ocho obras contemporáneas. (“Experimentation with the universe of sound through contemporary works”). M. Isaza. Aug. 8, 2015. <http://www.hispasonic.com/blogs/experimentacion-universo-sonoro-traves-ocho-obras-contemporaneas/40999>.

SELECTED ENSEMBLES

- 2018 Point (SMU Improvisation Ensemble), Kim Corbet, director
- 2015 gbjjck (Improvisational trio) <http://www.garrettlaroyjohnson/gbjjck>
with Justin Kennedy, Garrett Johnson
- 2011–15 Laptop Orchestra of Arizona State (LORkAS) <http://lorkas.org>
- 2009-10 Woo ! Brown Duo (Improvisatory duo)
with Justin Woo
- 2008 ElectroCab (Mixed-genre composer collective)
with Carmen Caruso, John Arroyo

ORGANIZATIONAL AND LEADERSHIP EXPERIENCE

- 2017- Producer/Organizer/Founder, Creative Computation Showcase (<http://c3smu.org>), SMU
- 2012-13 Director, Laptop Orchestra of Arizona State- LORkAS,
President, sArts, Media, and Engineering Student Association, ASU
- 2012 Co-founder, co-curator, co-producer, Seven Ate Nine, 2012
Series of monthly performances and tango milongas at Modified Arts Gallery, Phoenix, AZ
- 2008-9 Founder, Curator, Producer, Sidewalk Tzara
A monthly experimental performance series at The Outpost, Cambridge, MA

ADDITIONAL SKILLS AND TRAINING

Selected Technical Skills

Languages: C/C++, Java, Python, Smalltalk, Visual Basic, UML, SQL, Pascal/Delphi

Music Technologies: MAX/MSP, SuperCollider, Tonejs, Jamoma, OSC, LilyPond, CoreAudio, DirectX, OpenAL, STK, FMOD, RtAudio, IRCAM tools, VST API

Applications: Ableton Live, Max4Live, Apple Logic, Sibelius, Finale, Protools, Digital Performer, Adobe Creative Suite (Photoshop, Premiere, etc.), Matlab/Octave, XCode, Visual Studio, Eclipse

Physical Computing: AVR/micro-processor, Arduino, accelerometers, contact mics, servos, solenoids, FSRs, inertial sensors (eg. Shimmer3, x-osc),

Multimedia Libraries/Platforms: Cinder, Processing, OpenGL, JUCE

Motion Capture: OpenCV, PoseNet, OpenNI/Kinect, OptiTrack, Obbrec, Notch Technology

Mobile Platforms: iOS, Android API

Web Technologies: JavaScript, Nodejs, Wordpress, HTML/CSS

Machine Learning: Tensorflow, Keras, RNNs

Selected Argentine Tango Dance Community Performances

As part of Evolution Tango Performance Group

- 2021-22 Evolution Tango Showcase, Latino Cultural Center, Dallas, TX
 2020 Evolution Tango Showcase, Virtual Streaming Showcase, Dallas, TX
 2019 Heart House Benefit, Fair Park, Women’s Museum, Dallas, TX
 Vietnamese American Mutual Assistance & Services 15th Anniversary Benefit, Dallas, TX
 Evolution Tango Showcase, Latino Cultural Center, Dallas, TX
 2018 Evolution Tango Showcase, Latino Cultural Center, Dallas, TX

Selected Argentine Tango Dance Experience

- 2017-present Private and Group Lessons with George and Jairelbhi Furlong, Dallas, TX
 2017 Veronica Vazquez y Damian Mechura Workshop, Z Room, Tempe, AZ
 Cristina Sosa & Daniel Nacucchio, Z Room, Tempe AZ
 2016 Private and Group Lessons with Stephanie Berg and Nicholas Tapias, Tempe AZ
 Veronica Vazquez y Damian Mechura Workshop, Z Room, Tempe AZ
 Argentine Tango Workshop with Corina Herrera y Octavio Fernandez
 Tucson Tango Festival, Volunteer with ASU Tango Club, 2013, 2015
 2015 Albuquerque Tango Festival, Volunteer with ASU Tango Club
 Macana Brothers, private lesson
 2014 DNI Tango, Buenos Aires, private lessons
 2013 Nick Jones and Diana Cruz Workshop, Triangle Tango Society, Durham, NC
 Mariano “Chico” Frumboli y Juana Sepulveda Workshop, ASU, 2013
 2012 ASU Tango Festival
 Argentine Tango II with Daniela Borgialli, ASU
 2008-11 Triangulo Tango Studio, New York City, classes
 2008 Pablo Veron Workshop, Boston Tango Society

Instrumental and Movement Skills

Soprano (Expert), Guitar (Proficient), Piano Accordion (Proficient), Post-Contemporary Modern Dance, Contact Improvisation

MUSICAL AND INTERACTIVE WORK

Projects

Dinosaur Choir (2021–present)

A continuation of *Rawr! A Study in Sonic Skulls*. Installations and Musical Instruments allowing users to give voice to extinct dinosaurs. Instruments are created for community music contexts, exploring the idea of choirs of dinosaurs.

Skin Hunger (2020–22)

Documentation and Portfolio: <https://courtney-brown.net/?p=861>

Collaboration with Ira Greenberg, Melanie Clemmons (2020-2021), and Brent Brimhall

A series of installations and performances allowing remote and in-person participants to create sound and evolve organisms when they virtually touch each other. Current output from this project includes an interactive website (<https://skinhunger.org>), a telematic installation, and a telematic performance.

Interactive Tango Milonga (ITM) (2013 – present, but on-hold during pandemic)

Documentation and Portfolio: <http://www.courtney-brown.net/?p=24>

Argentine tango dancers are given agency over music in real-time in a social dance context.

Whooh! A Ruminant in Sonic Skulls (On-hold)

Collaboration with Ira Greenberg and Sharif Razzaque
 Installation and Musical Instrument allowing users to give voice to an imaginary descendent of an owl.

Rawr! A Study in Sonic Skulls (2011–2016)

Collaboration with Sharif Razzaque, co-engineer

Documentation and Portfolio: <http://www.courtney-brown.net/?p=21>

Installation and Musical Instrument allowing users to give voice to an extinct dinosaur.

Selected Compositions

- 2022 *Hadrosaur Variations II*, a structured improvisation for *Rawr!*, soprano, and laptop
Recovering what we have not yet found, soprano voices (4–6) and fixed media (commission)
- 2021 *Hadrosaur Variations*, a structured improvisation for *Rawr!*, soprano, and laptop
- 2019 *Lament*, a structured improvisation for soprano and skeletal motion capture system
- 2018 *Machine Tango* for Argentine tango dance couple and interactive tango system
Puente: A Study in Interactive Tango for Argentine tango dance couple in ITM system
- 2015 *pretending in magnetic time* for bassoon, marimba, and fixed media
- 2013 *How to Speak Dinosaur: Courtship* for hadrosaur skull instrument, tuba, and fixed media
- 2011 *Telephone Tango* for laptop orchestra
 Collaboration with Ryan Spicer, co-software developer
Abacus for the Body for percussive bicycle robot
 Mounted amplified bicycle wheels controlled by solenoids and OSC
 Installation and improvisation with voice and accordion
- 2010 *Volcadas con Silla* (“tips over with chair”) for dancing chair robot and amplified floor
 Robotic chair with mounted servos, controlled by OSC via WiiMote
I’ll huff and puff and I’ll blow your house down! for 3 video performers and live electronics
- 2009 *in which we become familiar* for violin, contrabass, and two flamenco dancers
Balancing Act II for broomstick, accelerometer, and live electronics
Sound. Picture. Coif. for hairstylist, live electronics, and video
 Collaboration with Kristina Wolfe (video) and Alissandra Hipona (hairstylist)
- 2008 *Every Night I Lose Control*
 Song Cycle and Solo Cabaret Act for voice, accelerometer and live electrics
Balancing Act (2008) for voice, accelerometer, and live electronics
The Error of my Ways (2008) for voice, accelerometer, and live electronics
Study in Losing Control II (2007) for voice, accordion (optional), and live electronics
Things that Breathe (2007) for voice and live electronics
- 2007 *losing love in magnetic time* for fixed media, marimba, and vibraphone
Places in Time become Magnetic for fixed media
this and the day after for two trumpets and four-hand piano
Pop Presto #2 for fixed media

Installation Art

- 2013 *Blown Away* for 4-12 contact microphones, speakers, and projected video
In Transit for laptop, iOS devices, and projected video
lo atamos con alambre (“we tied it with wire”) for eight-channel speakers
 Collaboration with Garrett Johnson, co-composer

Interactive Dance Work

- 2012 *D&SPAIR (Dance & Sonic Performance Art Improvisation Research) Club*
 Improvisational collaboration with Julie Cruse, Brent Brimhall, Julie Akerly
- 2011 *Art in Motion: The stories we are*
 Collaboration with Insurgo Stage Project, artistic director Avianna Perez

- 2009 *Crowded* for dancer, a pile of shoes, voice, accordion and live electronics
Collaboration with choreographer Eva Perrotta and Nu Dance Theater

PROFESSIONAL SERVICE

- 2022 Reviewer, Music, ICMC Conference 2022
Reviewer, Papers, NIME Conference 2022
Subreviewer, ACM International Conference on Movement and Computing 2022
- 2021 Reviewer, Music, ICMC Conference 2021
Reviewer, Papers, NIME Conference 2021
- 2020 Reviewer, Papers, NIME Conference 2020
Reviewer, Music, ICMC Conference 2020
- 2019 Reviewer, Papers, NIME Conference 2019
Reviewer, Doctoral Consortium, ACM International Conference on Movement and Computing 2019
- 2018 Reviewer, Music, NIME Conference 2018
- 2017 Reviewer, Papers and Musical Performances, SEAMUS Conference 2018
- 2016 Student Volunteer, ACM 3rd Human Factors in Computing Systems Conference (CHI)
Extended Programme Committee, 3rd International Conference on Live Interfaces, 2016
Reviewer, Travel Grants, ASU Graduate & Professional Student Association, Fall 2015 – Spring 2016
- 2015 Reviewer, Interview Travel Grant, ASU Graduate & Professional Student Association, Spring 2015

LANGUAGE PROFICIENCY

English (native language), Spanish (conversational and intermediate reading and writing)

PROFESSIONAL MEMBERSHIPS

ICMA – International Computer Music Association
ACM – Association for Computing Machinery
SEAMUS – Society for Electroacoustic Music in the United States
ACF – American Composers Forum
IAWM – International Alliance of Women in Music
NMC – New Media Caucus
Phi Kappa Phi – Honor Society

REFERENCES

Available upon request.