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POST-DOCTORAL EXPERIENCE

Ohio State University, Columbus, OH

Postdoctoral Scholar in Immersive Audio at the Advanced Computing Center for the Arts and Design (2019-2021)

EDUCATION

New York University, New York, NY

PhD in Music Composition and Theory, May 2019

Universidad Nacional de Córdoba, Córdoba, Argentina

Licenciate in Music Composition, May 2012

Thesis Title: *A Form of Pleasure: Music as an Experience of Pleasure*

DISSERTATION

Title: Database Music: A History, Technology, and Aesthetics of the Database in Music Composition

Advisor: Jaime Oliver La Rosa

Committee: Elizabeth Hoffman (NYU GSAS) - Martin Daughtry (NYU GSAS) - William Brent (American University) - Robert Rowe (NYU Steinhardt)

Summary: This dissertation outlines a framework to discuss the aesthetic agency of the database in music composition. I place my dissertation in relation to existing scholarship, artists, and developers working in the fields of music composition, computer science, affect, and ontology, with emphasis on the ubiquity of databases and on the need to reflect on their practice, particularly in relation to databasing and music composition. There is a database everywhere, anytime, always already affecting our lives; it is an agent in our aesthetic and political lives just as much as we are agents in its composition and performance. Database music lives in between computers and sound. My argument is that in order to conceptualize the agency of the database in music composition, we need to trace the history of the practice, in both its technical and its artistic use, so as to find nodes of action that have an effect on the resulting aesthetics.

RESEARCH

Database Music; Spatial Audio; Immersive Sound; Computer Music Techniques; Machine Learning; Sonification; Algorithmic Composition; Computer Vision; Digital Instrument Design; Networked Performance Music

PUBLICATIONS

- 2021 - 8/9 “‘The Woods:’ A Mixed Reality Two-Player Cooperative Game” - SIGGRAPH 2021 - USA (3rd author)
- 2021 - 9/28-31 “Visual Cues as an Aid in the Auditory Stream Segregation of Music” - ICMPC-ESCOM2021 (2nd author)
- 2021 - 6/18-27 (Installation) - The Woods - CURRENTS NEW MEDIA Festival - USA
- 2021 - 2/12 - “Comparing Musical Performances of the ‘Goldberg Variations’ Using Supervised Machine Learning Techniques” - FDMC 2020 (4th author, accepted but not presented)
- 2020 - 7/25 “PathoSonic: Performing Sound In Virtual Reality Feature Space” - NIME - UK (Poster Presentation)
- 2020 - 3/29 - “basura” (Viajero Experimental Inmóvil) and “Diciembre” (SUDA) - ARG (Album Releases)
- 2020 - 3/4 - “[clone _dac 124]: Real-time Massively Multichannel Music in Pure Data” - ESPACIOS SONOROS 2020 - Madrid, Spain
- 2019 - 5/10 “Database Music: A History, Technology, and Aesthetics of the Database in Music Composition” - NYU (PhD Dissertation)
- 2018 - 2/3 “‘For Young Ears:’ A Response to Elsa Justel’s Marelle” - Open Space Magazine - New York, USA
- 2018 - 8/10 “A Spectral Experience: Self Convolution And Face Tracking” - ICMC 2018 (Accepted but not presented)

OTHER SKILLS

Languages: English, Spanish, French (intermediate), German (beginner)

Computer Languages: Pure Data, C, C++, Bash, Python, JavaScript, HTML, CSS, L^AT_EX

Video/Audio Production Software: Adobe Creative Suite, Max/MSP, Audacity, Csound, AOO, Jacktrip

TEACHING EXPERIENCE

Professorship

School of Music - OSU

Computational Musicology

Spring 2021

Lectures, excercises, and grading. Co-taught with Dr. Dan Sullivan

Professorship

ACCAD OSU

Sonic Arts Ensemble

2019-2020

Lectures, concerts, and grading. Co-taught with Dr. Marc Ainger

Course Assistantship

FAS NYU

Computer Music Theory and Techniques

Fall 2016

Recitation lessons, some lectures, and grading. Co-taught with Dr. Jaime Oliver

Professorship FAS NYU
Harmony and Counterpoint I Fall 2015
Syllabus, lectures, and grading.

Teaching Assistantship FAS NYU
Harmony and Counterpoint I-II 2014 - 2015
Recitation lessons and grading.

Teaching Assistantship Facultad de Artes - UNC
Composition I - Aural Skills I 2007-2012
Recitation lessons, some lectures, and grading.

HONORS AND AWARDS

Postdoctoral Fellow Ohio State University
Global Arts and Humanities Theme 2019-2020
Fully funded, 2-year postdoctoral research position.

Dean's Dissertation Fellowship NYC - Berlin
NYU GSAS 2018
Nine-month stipend.

GRI Fellowship Florence (2018) - Paris (2017)
NYU Global Research Initiatives 2018 - 2017
Research abroad.

Student Senators Council Shanghai - China
NYU SSC 2017
Conference travel grant.

Selected Works La Plata - Buenos Aires
Fundación Destellos 2014 - 2015
"Ciudad Invertida" and "Venas" were awarded the "Selected Works" mention.

MacCracken Fellowship New York City
NYU GSAS 2013
Five-year full tuition and stipend towards Ph.D completion.

Programa Cuarto Centenario Montréal - Canada
Universidad Nacional de Córdoba 2012
Exchange at l'Université de Montréal to study C++.

Orchestral Performance Córdoba - Argentina

Universidad Nacional de Córdoba 2011
Premiere of “Lagos” by Gonzalo Bustos and the Symphony Orchestra of the UNC.

SELECTED PERFORMANCES

Networked Performance Music Wexner Center For The Arts - USA / ARG
11/10/2020

Thornblower
With Elizabeth A Baker and the Sonic Arts Ensemble at OSU

Concierto de arte sonoro en Espacio B Espacio B - Madrid
Laptop performance of untitled2 3/4/2020
Performed next to Pedro Fragela at the Espacio B Madrid.

CLIMATE GATHERING Movement Lab at Barnard College, NYC
Max/MSP and Ipad 1/15/2020
Residency at Barnard’s Movement Lab in NYC with Livable Futures Now.

Say Under Tehran - IRAN
Tehran International Electronic Music Festival 9/4/2018
Video performance of video commissioned by the Offborders Festival for Electroacoustic music

Untitled Blacksburg - VA
Cube Fest - Virginia Tech 8/3/2018
Live electronics performance at The Cube, with a 149-speaker array and stereo video projection.

Untitled 2 Mykonos - GREECE
Delian Academy for New Music 6/10/2018
Live acousmatic performance at the Delian Academy for New Music.

Electroacoustic Improvisations. NYU Waverly Labs r.220 - NYC
Bages - Barros - Marti - Motl 6/19/2017
Live electronics and visuals with Joan Bages i Rubi - Bernardo Barros - Kyle Motl - and Joan Marti Frasquier

a.le.a Dimenna Center - NYC
Talea Ensemble 4/7/2017
Live video and electronics premiere of “a.le.a” with Talea Ensemble. I performed MIDI controller and video projections under the direction of Jeff Means.

Ciudad Invertida (2016) ShapeShifter Lab - Brooklyn
PdCon16~ 11/22/2016
Live video and electronics performance of “Ciudad Invertida (2016)” with the trom-

bone duo “Rage Thormbones.” The performance took place during the concerts of the 2016 Pure Data Convention (PdCon16~)

INOPERA

Dimenna Center - NYC

Loadbang Ensemble

4/20/2016

Live video and electronics of the piece “INOPERA” with New York-based ensemble “loadbang”. I performed with a MIDI controller, laptop and video projector.

Ciudad Invertida (2015)

Auditorio CePIA - UNC

B3CIM

8/20/2015

Live video and electronics premiere of the piece “Ciudad Invertida (2015)” with Rocío Elizalde and Manuel Pastrana during the Bienal 3 en Composición e Investigación Musical (B3CIM).

Momenta Quartet Plays NYU Composers

NYU Silver Center r.220

Momenta Quartet

4/21/2014

Live video and feedback performance of the piece “Talita” with New York-based string quartet “Momenta Quartet.”

SELECTED COLLABORATIONS

The Woods

Ohio - USA

Urban Arts Space and Technarte

2019-2021

“The Woods” is a multiplayer cooperative game that employs AR and 4-channel audio spatialization with Scott and Kyoung Swearingen and others at ACCAD

Installation: Hearing the Self

Shanghai - China

Xuhui Art Muesum - ICMC

2017

“Hearing the Self: A Spectral Experience.” With mathematicians Dr. Matías Delgadino and Dr. Lucía Simonelli

Theatre: Poroto

Pabellón Azul - UNC

Universidad Nacional de Córdoba

2013

Electroacoustics for Celeste Lozada and Valentina Echeverría’s version of “Poroto” by Pavlovsky

Opera: Los chicos de abril

Rio Cuarto - Córdoba

Teatro Municipal de Río Cuarto

2013

Electronics for Luis Perez’s “Los chicos de abril” with Pablo Behm and Franco Pellini

ADMINISTRATIVE EXPERIENCE

Reviewer

Buenos Aires, Argentina

Atemporaneas

2019-ongoing

Music, and Installation reviewer for the Atemporaneas Music Festival

Reviewer

International

ICMC

2018-ongoing

Paper, Music, and Installation reviewer for ICMC

PdCon16~

New York City

Pure Data Convention

2016

Organizer, graphic designer, and webmaster.

Waverly Project

NYU GSAS

New Music Organization

2013-2017

Co-founder, Organizer, graphic designer, and webmaster.

Proyecto[Red]Ensamble

Universidad Nacional de Córdoba

Contemporary Music Ensemble

2010-ongoing

Co-founder, Organizer, performer, graphic designer, and webmaster.

Bienal Composición Córdoba

Universidad Nacional de Córdoba

Music Composition Biennale

2010-2012-2015

Organizer, graphic designer, and webmaster.