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WORK

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 (Expected graduation date: May 2019)

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

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 Multimedia Composition

Advisors: Jaime Oliver La Rosa, Elizabeth Hoffman

Summary: The constantly changing technological, social, and global context of today's "data revolution" has placed data at the center of media research. Accumulating in archives, or data-bases, data has allowed data-driven practices to emerge. In this dissertation, I understand, contextualize, and reveal music composition as a database practice. In resonance with the extensive literature on the intersection between music and computers, I situate this discussion within the question of the agency of technology in art. Because the existing literature on database practices is mainly visually oriented, I analyze this agency in terms of the relationship between image and sound, concluding that it is the use of the database what allows for new ways of thinking multimedia works of art. As an outcome of my dissertation, I propose an open-source library for multimedia composition combining computer vision and timbre analysis algorithms, in order to generate a joint database of image and audio descriptors suitable for live multimedia composition.

RESEARCH

Database Music; Algorithmic Composition; Music Spatialization; Immersive Sound; Computer Music Techniques; Deterministic Systems; Pseudo-Random Generators; Computer Vision; Live composition; Generative Art; Pure Data and GEM (Graphical Environment for Multimedia); Digital Instrument Design; Writing externals for Pure Data and GEM

PUBLICATIONS

- Poster* Royal Birmingham Conservatoire
New Interfaces for Musical Expression July 2020
PathoSonic: Performing Sound In Virtual Reality Feature Space
- Lecture (read)* Madrid, Spain
Espacios Sonoros 2020 - 5th March 2020
International Congress Sound Spaces, 23rd Conference on Computer and Electronic Music - JIEM 2020.
[clone fd_dacout]: real-time massively multichannel spatialization in Pure Data
- Article (published)* Red Hook, NY
Open Space Magazine 2018
For Young Years: A Response To Elsa Justel's Marelle
- Lecture (read)* Mykonos, Greece
Delian Academy for New Music June 2018
Composing Database: Opening A Space For The Concept Of An Anarchic Unwork Of Art
- Paper (accepted)* Daeghu, Korea
International Computer Music Conference August 2018
A Spectral Experience: Self Convolution And Face Tracking

OTHER SKILLS

Languages: English, Spanish, French (intermediate), German (beginner)
Computer Languages: Pure Data, C, C++, Bash.
Web Development: HTML, CSS, PHP, JavaScript.
Video/Audio Production Software: Adobe Creative Suite, Max, Audacity, Csound

TEACHING EXPERIENCE

- Professorship* ACCAD OSU
Sonic Arts Ensemble Spring 2020
Recitation lessons, some lectures, concert, and grading.
- Professorship* ACCAD OSU
Sonic Arts Ensemble Fall 2019
Recitation lessons, some lectures, concert, and grading.
- Course Assistantship* FAS NYU

Computer Music Theory and Techniques Fall 2016
Recitation lessons, some lectures, and grading.

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

Teaching Assistantship FAS NYU
Harmony and Counterpoint II Spring 2015
Recitation lessons and grading.

Teaching Assistantship FAS NYU
Harmony and Counterpoint I Fall 2014
Recitation lessons and grading.

Teaching Assistantship Facultad de Artes - UNC
Composición Musical I 2010-2012
Recitation lessons, some lectures, and grading.

Teaching Assistantship Facultad de Artes - UNC
Audioperceptiva I 2007-2009
Recitation lessons, some lectures, and grading.

HONORS AND AWARDS

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

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 8/3/2018
Music Festival
 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~)

Canon

CC Graciela Carena - Córdoba

Proyecto[Red]Ensamble

8/6/2016

Live performance with Pure Data and Arduino of the piece “Canon.” The piece was written for and performed by Córdoba-based ensemble “Proyecto[Red]Ensamble”

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.

Mise-En at German House

German Consulate NYC

Ensemble Mise-En

2/6/2015

Live electronics performance of the piece “Venas” with New York-based Ensemble Mise-En’s Bass Clarinet player Samuel Marques

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.”

A Form of Pleasure

CePIA and FCEfYn

Universidad Nacional de Córdoba

6/12/2012

Video performance of the Orchestral Premiere of “Lagos,” together with the premiere of the trio “Piano, Bassoon and Guitar,” and of “A Time In Utopia” for choir and large ensemble conducted by Hernando Varela, with soloists from the choir of the Cantoría de la Merced.

TSONAMI

Recoleta Cultural Center - Bs.As.

LEIM ENSAMBLE

5/10/2011

Piano and analog synthesizer improvisations with LEIM Ensemble during the “TSON-AMI Encuentro de Arte Sonoro y Nueva Música” in Buenos Aires.

SELECTED COLLABORATIONS

- 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
- Film: Al Cielo o al Infierno* Cines Gran Rex
Lauro Racosky 2011
Music for Lauro Racosky’s “Al Cielo o al Infierno.” Awarded Best Film Trailer at the Mar del Plata Film Festival.

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.