

Levy Marcel Ingles Lorenzo, Jr.

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Electronics Engineer | Electronic Musical Instrument Designer & Performer | Contemporary Percussionist

EDUCATION

2011 (ABD) D.M.A.	Stony Brook University Doctor of Musical Arts - Percussion Performance • Electronic & Computer Music Performance Focus	(Stony Brook, NY)
2009 M.M.	Stony Brook University Master of Music - Percussion Performance • Contemporary Music Focus	(Stony Brook, NY)
2003 M.Eng.	Cornell University Master of Engineering - Electrical & Computer Engineering • Systems Engineering Specialization • Ellen B. Gusman Music Award (2003)	(Ithaca, NY)
2002 B.S.	Cornell University Bachelor of Science - Electrical & Computer Engineering • 2nd Place - Freshman Prize Math Exam • Ellen B. Gusman Music Award (2002)	(Ithaca, NY)

EMPLOYMENT

2010 - present	Head Studio Assistant - Computer Music Studios • Manage, Coordinate and Execute technical operations for concert support for Electronic & Computer Music Concerts, Stony Brook Contemporary Chamber Players, Jazz Ensembles and student recitals. • Mentor to other Studio Assistants • Consult students in electronic music projects	(Stony Brook University)
2009 – 2010	Studio Assistant - Computer Music Studios	(Stony Brook University)
2009 – 2010	Teacher for Undergraduate Percussion Lessons	(Stony Brook University)
2004 - 2006	Embedded Software Engineer - BOSE Corporation • Worked in large (50+) engineering team to design car stereo head unit for Ferrari • PRESS: 2007 Geneva Auto Show	(Framingham, MA)
2003	MIDI Software Engineer - Hoy Lab • Utilized Windows Multimedia MIDI API functions for audio toolkit	(Cornell University)
2003	Teaching Assistant - Digital Systems Lab (ECE230)	(Cornell University)
2000	Electrical Engineering Co-op - Teradyne Corporation • Hardware circuit design, printed circuit board design	(Boston, MA)

INDEPENDENT TEACHING

2007 - present	Private Percussion & Music Teacher	(Stony Brook, NY)
2004 - present	Math (calculus, trigonometry) Tutor	(New York / Boston)
2004 - 2006	Physics (AP and honors level) Tutor	(New York / Boston)

CREATIVE WORK (select portfolio at www.levylorenzo.com/projects.html)*ELECTRONIC MUSICAL INSTRUMENTS*

- 2010 **FM Koala** - qwerty keyboard, mouse, frequency modulation, MAX/MSP
- Performed: "Nothing to Say" for FM Koala Trio composition
- 2010 **Air Marimba** - infrared distance sensors, rosewood, ATME1mega138, Arduino
- Performed: solo structured improvisation, chamber ensemble
- 2009 **Teacups and Light** – light sensors, teacups, MAX/MSP, MakeController
- Performed: solo structured improvisation, chamber improvisation
- 2008 **Record Player** - prototype @ STEIM (Amsterdam, NL) Workshop residency
- Design: junXion hardware interface, LiSa software, vinyl record
- 2003 **Intelligent MIDI sequencing with Hamster Control** - Masters Thesis at Cornell U.
- Design: infrared distance sensor, hamsters, microcontroller, markov chains
 - PRESS: BBC Ecuador, G4 TV network, pitchfork.com, slashdot.org

INTERDISCIPLINARY COLLABORATION

- 2010 **Song of the Tides** - software design - Data Sonification
- Collaboration with Professor Tony Phillips - Stony Brook University - Dept of Math
- 2010 **Ampaction** - collaborative composition
- Performance piece for percussion and live electronics with Elad Shniderman
- 2009 **Miss You** - electronics design - Mixed Media Installation
- Collaboration with Prof. Christa Erickson - Head of cDact [Consortium for Digital, Arts Culture and Technology] - Stony Brook University - Dept. of Fine Art).
 - Collaboration with sculpture (Joe Esser) and computer science students (Gozu Luo)
- 2009 **Emotional Polarities** - electronics design - Mixed Media Installation
- Collaboration with Prof. Christa Erickson - Head of cDact [Consortium for Digital, Arts Culture and Technology] - Stony Brook University - Dept. of Fine Art).
 - Collaboration with sculpture (Joe Esser) and computer science students (Gozu Luo)
- 2009 **Jefferson Go Green** - solo percussion performance on found objects
- Collaboration with MFA dramaturg Amy Jensen for site-specific theater performance to increase community environmental awareness of Port Jefferson harbor
- 2009 **Children's Riding Machine** - music composition and recording - Video Art
- Collaboration with Stony Brook MFA visual artist Jin-kang Park
- 2008 **Whistle From Above (David Bithell)** - circuit design
- High-power LED Circuit Design for interactive duo percussion and robotics performance piece

NOTABLE PERFORMANCES

- Nov 2010 **Aural Architectures** – computer music concert (Stony Brook University)
- Performance of "Nothing to Say" for FM Koala trio
 - Solo performance of "Bargello", by Daria Semegen for marimba/percussion + electronics
- June 2010 **ICMC 2010 - International Computer Music Conference** (New York, NY)
- Miller Theater - opening piece for Allen Strange Memorial Concert
 - "Improvisation for Teacups and Light"- Electronic Instrument Design & Performance
- May 2010 **Stony Brook Chamber Music Festival** (Stony Brook University)
- Opening night performance with Stony Brook Contemporary Chamber Players (CCP)
 - *USA Premiere* TRAME VIII, Martin Matalon, marimba/percussion concerto
- April 2010 **Hybrid Geographies Concert** - Air Marimba Performance (Stony Brook University)
- "Last Bourbakian", by Margaret Schedel for Erhu, Air Marimba, Percussion, Dance, Electronics and Video
- Dec 2009 **International Society for Improvised Music (ISIM) Conference** (Santa Cruz, CA)
- "Improvisation for Teacups and Light"
 - Electronic Instrument Design Performance & Lecture
- Nov 2009 **Stony Brook Premieres Concert** - Merkin Hall (New York, NY)
- Joystick performance of premiere of Margaret Schedel's "Muted Mahogany" for joystick and antiphonal marimbas with Contemporary Chamber Players

- Aug 2009 **International Ensemble Moderne Academie** (Schwaz, Austria)
- Featured Marimba/Percussion Soloist - Performance at Klangspuren Festival
 - TRAME VIII - (Martin Matalon) concerto w/ chamber ensemble
- May 2009 **Messiaen 100th Year Concert** - Merkin Hall (New York, NY)
- Performance with Stony Brook Contemporary Chamber Players,Argento Ensemble and Gil Kalish (piano)
- July 2008 **Darmstadt International School for New Music (IMD)** (Darmstadt, Germany)
- Performance with Percussion Group and Chamber Ensemble

LIVE SOUND / AUDIO ENGINEERING CONCERT EXPERIENCE (selected)

- Nov 2010 **Aural Architectures** – computer music concert (Stony Brook University)
- Audio Engineer for program of computer music featuring Michael Lowenstern
- June 2010 **ICMC 2010 - International Computer Music Conference** (Stony Brook University)
- Curator & Technical Director for Main Concert Venue at Stony Brook University
 - Engineered 8.1 surround sound system for two electronics concerts of solo & chamber music.
- Feb 2010 **International Contemporary Ensemble & Moving Theater** (New York, NY)
- ARMORY SHOW - Managed sound system in multi-room, site specific dance/theater/music/video performance at history Armory building in midtown manhattan
- Nov 2009 **International Contemporary Ensemble** (New York, NY)
- Saariaho Portrait Concert @ The Tank
 - Performed live sound for concert of solo + electronics pieces

LIVE SOUND / AUDIO ENGINEERING REPERTOIRE (selected)

Larry Austin	Le flutes de Pan, homage a Debussy
Massima Bassan	L'incendiario
McGregor Boyle	As It Was: Nine Characteristic Pieces
Monique Buzzarte	Elegy
Rodrigo Cadiz	eRecorder
Eric Chasalow	Due (Cinta)mani
Andrew Cole	Aphorisms on Futurism
George Crumb	Black Angels
Nathan Davis	Armory Bells
Vinko Globokar	Ombre
Jonathan Harvey	Tombeau de Messiaen
Michael Klingbeil	Tear of the Clouds
Juraj Kojs	In Secret
Annie Mahtani	Past Links
Martin Matalon	La Makina
Silvia Alves Matheus	Crossings
Olga Neuwirth	Torsion:Transparent
Luigi Nono	...sofferte onde serene...
Kristin Norderval	A Summons
Teahong Park	ViPer
Kaija Saariaho	Six Japanese Gardens
	Noa Noa
	Vent Nocturne
Daria Semegen	Bargello
Mary Simoni	Connemara
Karlheinz Stockhausen	Kontakte
	Mikrophonie I
Hans Tammen	Endangered Guitar
Anthony Tan	... then time killed the wind ...
Ken Ueno	Echoes of the Ancient Industry
Frances White	The Ocean Inside

PERCUSSION PERFORMANCE REPERTOIRE (selected)

Bela Bartok	Sonata for 2 Piano and 2 Percussion
Sir Harrison Birtwistle	For O, For O, the Hobbyhorse is Forgot - ritual for percussion sextet
John Cage	Amores - percussion trio
Elliot Carter	Espirit Rude / Esprit Doux II - trio for marimba, clarinet, and flute
George Crumb	Mundus Canus - duo for percussion and guitar
Stefano Gervasoni	Bleu Jusqu'au Blanc - percussion sextet
Helmut Lachenmann	Trio Fluido - percussion, clarinet, viola
Cort Lippe	Music for Snare Drum and Electronics - solo
Eric Lyon	Twinkletoes - solo snare drum + electronics
	Three Melodies for Vibraphone - solo
Philippe Manoury	Les Livre de Clavier - percussion sextet
Martin Matalon	Traces IV - solo marimba + electronics
	USA Premiere TRAME VIII - marimba/percussion concerto with chamber ensemble
	La Siete Vidas de un Gato, chamber ensemble and silent film
Olivier Messiaen	Ossieux Exotiques - chamber ensemble
Minoru Miki	Time for Marimba - solo
	Marimba Spiritual - solo marimba with percussion trio
Ron Parks	Afterimage III - solo percussion + electronics
Steve Reich	Music for 18 Musicians - chamber ensemble
	Nagoya Marimbas - marimba duo
Roger Reynolds	Autumn Island - solo marimba
Daria Semegen	Bargello - solo marimba/percussion + electronics
Karlheinz Stockhausen	Mikrophonie I - sextet for tam-tam and live electronics
	* I have performed all 3 parts - (exciter, microphonist and filter operator) *
Igor Stravinsky	Le Histoire du Soldat - chamber ensemble
Iannis Xenakis	Rebonds B / A - multi-percussion solo
	Peaux - percussion sextet
	Metaux - sixxen sextet
	Persephassa - percussion sextet

ADDITIONAL PERFORMANCE GENRES

Free improvisation, jazz, orchestral, funk, rock, reggae, orchestral, folk, afro-haitian, afro-cuban.
 More information available upon request. Select recordings at: www.levylorenzo.com/audio.html

TECHNICAL SKILLS

SYSTEMS ENGINEERING	Requirements Definition, Timeline Planning, Resource Allocation
MUSIC SOFTWARE	MAX/MSP, Logic Pro, Audacity
SOFTWARE / HARDWARE	C/C++ programming, assembly coding, CAST (VLSI design), PSPICE (analog circuit design), printed circuit board design
MICROCONTROLLER	Atmel series, ST series, Arduino Platform, Make Controller Platform
DEBUG / TEST	oscilloscope analog/digital, microcontroller emulator, multimeter, waveform analyzer, soldering, printed circuitboard design
OTHER	web design, graphic design, photography,

LEADERSHIP

2009 - current	<i>Staller Social</i> , Founder
	• Student organization to unite the graduate arts at Stony Brook University
2008- 2009	Graduate Student Organization (GSO) - Senator for Music Department

LANGUAGES	Spanish - Intermediate Spoken & Written
	Tagalog - Fluent Understanding