

## Curriculum Vitae

# A. Gabriel Vigliensoni

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## *Profile*

For the last fifteen years, I have been working as an audio engineer, music producer, composer, performer and educator in many different contexts. My main interest and goal have been to improve musical expression and expand the sonic palette of my own and other's work through sound manipulation and audio processing. Expanding on this idea, I am currently interested in the research of music creation tools based on Music Information Retrieval techniques, the development of new controllers to perform with, and in music recommendation systems.

## *Education*

2011 – PRESENT	<b>PHD IN MUSIC TECHNOLOGY STUDENT</b> Department of Music Research, Schulich School of Music, McGill University.
2009 – 2011	<b>M.A. IN MUSIC TECHNOLOGY</b> Department of Music Research, Schulich School of Music, McGill University.
2005	Object-Oriented Programming Course by Mirko Petrovich Escuela de Música SCD, Santiago, Chile
1993	Cinema and Music Workshop by Michel Chion Fundación Centro Cultural Balmaceda 1215, Santiago, Chile
1989 – 1992	<b>B.A. IN ARTS WITH CONCENTRATION IN SOUND</b> Departamento de Música y Sonología, Facultad de Artes, Universidad de Chile
1991	Electroacoustic Music Workshop by Gabriel Brnčić. Departamento de Música y Sonología, Facultad de Artes, Universidad de Chile

## *Academic Experience*

2012– PRESENT	<b>LECTURER “NEW MEDIA PRODUCTION”, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY.</b>
2011– PRESENT	<b>RESEARCH ASSISTANT. “SINGLE INTERFACE FOR MUSIC SCORE SEARCHING AND ANALYSIS” PROJECT. DISTRIBUTED DIGITAL MUSIC LIBRARIES AND ARCHIVES LABORATORY. DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY</b>
2010 – 2011	<b>RESEARCH ASSISTANT, “OPTICAL MUSIC RECOGNITION FOR PLAINCHANT” PROJECT. DISTRIBUTED DIGITAL MUSIC LIBRARIES AND ARCHIVES LABORATORY. DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY</b>

We are developing software tools that will be able to automatically extract the musical and textual content from digitised plainchant manuscripts and to index that content in an internationally accessible distributed database. My main work in the project has been to integrate the *Gamera* and *Aruspix* software suits, and the development of a pitch recognition application.

**2010 – 2011** **TEACHING ASSISTANT, DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY**

Teaching assistant for the undergraduate course MUMT202 “Fundamentals of New Media”, and MUMT302 “New Media Production”.

**2004 – 2009** **AREA CHAIR, INGENIERÍA EN SONIDO & TECNOLOGÍA EN SONIDO PROGRAMS, FUNDACIÓN INSTITUTO DUOCUC, SANTIAGO, CHILE**

For these 4 and 2 year programs, I led the update of both curriculums, applying new areas of development and research, recruiting some of the most qualified professors and professionals available in Chile, and developing projects to incorporate state-of-the-art technology in the music production and recording laboratories. I taught the courses EAD2101 “Estaciones de Audio Digital”, and TMS5101 “Laboratorio MIDI”. I did special efforts to integrate student projects into other disciplines, such as multimedia, film, drama and industrial design.

**2000 – 2004** **LECTURER, ESCUELA DE POSTGRADO, FACULTAD DE ARTES UNIVERSIDAD DE CHILE, SANTIAGO, CHILE**

Professor for the Art and New Technologies diploma offered by the Escuela de Postgrado at Universidad de Chile. For five years I taught the course “Plasticidad en la banda sonora”. This seminar gave the students a theoretical background as well as sonic tools to design and create soundtracks for linear and non-linear audiovisual projects. The topics covered were digital audio fundamentals, portable digital recorders, on-location recording, sound editors, digital audio workstations, digital processing, granular synthesis, and audio-vision.

**1995 – 1996** **LECTURER, ESCUELA DE MÚSICA SCD, SANTIAGO, CHILE**

“Sound Recording Techniques” teacher in the Popular Music Composition program at Escuela de Música SCD. The main goals of the course was to provide the students a broad glossary of concepts and technical terms to establish a smooth dialog among performers, music producers and sound engineers, as well as a set of recording techniques and software tools for using in professional and home recording contexts. The main topics of the lectures were microphones, loudspeakers, basic analog audio electronics, device interconnection, shielding and grounding, analog-to-digital conversion, recording processes in digital systems, advanced mixing techniques, dynamic, spectral and temporal processing, mixing automation, and MIDI synchronization.

**1990 – 1992** **TEACHING ASSISTANT, DEPARTAMENTO DE MÚSICA Y SONOLOGÍA UNIVERSIDAD DE CHILE, SANTIAGO, CHILE**

Teaching assistant for the undergraduate courses Matemáticas I, II & III and Física I & II.

## *Professional Experience*

**2008 – 2010** **CO-DIRECTOR, ARMABLE ONLINE RADIO, SANTIAGO, CHILE**

*Armable.com* is an online radio founded on the following principles: an original repertoire, experimentation in the delivery of musical messages, value-added multimedia content, and the automation of playlist generation. At the same time *Armable.com* provides exclusive music programming services for brands over IP networks.

**2000 – 2008** **CO-DIRECTOR, OJOPARLANTE RECORDING STUDIO, SANTIAGO, CHILE**

*Ojoparlante* was a successful recording studio in which more than 50 albums of a wide variety of artists and styles were produced, recorded and mixed. Óscar López and I, the co-owners, provided our artistic and technical skills—one in the analog world, the other in the digital one—to experiment new sounds and transmit our forward-thinking style to the artists we produced.

**2003 – PRESENT** **M-POWERED ARTIST, M-AUDIO INTERNATIONAL**

I have been an *M-Powered Artist* for M-Audio International for the last 7 years, testing new equipment and software—from loudspeakers to microphones, preamplifiers to soundcards, digital audio workstations to virtual instruments—in both educational and musical production environments ([http://www.m-audio.com/artists/en\\_us/GabrielVigliensoni.html](http://www.m-audio.com/artists/en_us/GabrielVigliensoni.html))

**1993 – 1996** **SOUND ENGINEER, FUNDACIÓN CENTRO CULTURAL BALMACEDA 1215, SANTIAGO, CHILE**

I designed, built and managed the recording studio of the *Balmaceda 1215 Foundation*, a cultural center positioned in the core of the young artists’ movement in Chile. More than 200 musical productions were recorded and mixed for artists with no prior professional experience, many of whom became popular after these sessions.

1992 – 1993

**SOUND TECHNICIAN, TELEVISIÓN NACIONAL DE CHILE, SANTIAGO, CHILE**

I worked as a sound technician for a wide variety of TV programs, related to sports, concerts, news and TV series at *Canal 7 Televisión Nacional de Chile*, the largest TV channel in Chile.

*Performing Experience*

2001 – 2009

**COMPOSER & PERFORMER, MISMOS**

Keyboard player, composer, and musical producer for the electronic band *Mismos*, with whom I launched the albums *Picnic* and *Caspana*, touring Colombia and Chile.

2003 – 2005

**COMPOSER & PERFORMER, ELECTRODOMESTICOS**

Keyboard player of the band *Electrodomésticos*, with whom I published *La Nueva Canción Chilena*, touring Argentina and Chile

1991 – 1998

**COMPOSER & PERFORMER, LUCYBELL**

Founding member and composer of the first 4 albums of *Lucybell*, selling more than 100,000 albums, earning double gold and double platinum albums and doing extensive tours in the United States, Argentina, Colombia, Ecuador, Mexico and Chile.

*Awards*

2012

**NEMISIG TRAVEL AWARD**

NORTHEASTERN MUSIC INFORMATICS SPECIAL INTEREST GROUP.

2011

**CIRMMT TRAVEL AWARD**

CENTRE FOR INTERDISCIPLINARY RESEARCH ON MUSIC MEDIA AND TECHNOLOGY,  
MONTREAL, CANADA.

2011

**GREAT AWARD**

SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

2011

**BECA BICENTENARIO BECAS-CHILE, DOCTORAL STUDIES.**

COMISIÓN NACIONAL DE CIENCIA Y TECNOLOGÍA, GOBIERNO DE CHILE

2011

**GRADUATE EXCELLENCE FELLOWSHIP**

SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

2011

**SEYMOUR SCHULICH SCHOLARSHIP**

SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

2010

**GREAT AWARD**

SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

2010

**ISMIR STUDENT TRAVEL AWARD**

INTERNATIONAL SOCIETY FOR MUSIC INFORMATION RETRIEVAL

2009

**GREAT AWARD**

SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

2009

**MCGILL PROVOST'S GRADUATE FELLOWSHIP**

GRADUATE AND POSTDOCTORAL STUDIES OFFICE, MCGILL UNIVERSITY.

2009

**BECA BICENTENARIO BECAS-CHILE, MASTERS STUDIES**

COMISIÓN NACIONAL DE CIENCIA Y TECNOLOGÍA, GOBIERNO DE CHILE

1998

**GOLD ALBUM. *LUCYBELL* by LUCYBELL**

INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)

1997

**PLATINUM ALBUM. *VIAJAR* by LUCYBELL**

INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)

1996

**PLATINUM ALBUM. *PECES* by LUCYBELL.**

INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)

## Publications

- Vigliensoni, G., J. A. Burgoyne, A. Hankinson, and I. Fujinaga. 2011. Automatic pitch detection in printed square notation. *Proc. of the Int. Society for Music Information Retrieval Conference*.
- Vigliensoni, G., and M. Wanderley. 2010. Soundcatcher: Explorations in audio-looping and time-freezing using an open-air gestural controller. *Proc. of the International Computer Music Conference*. 100–3.
- Vigliensoni, G., C. McKay, and I. Fujinaga. 2010. Using jWebMiner 2.0 to improve music classification performance by combining different types of features mined from the web. *Proc. of the Int. Society for Music Information Retrieval Conference*. 607–12.
- McKay, C., J. A. Burgoyne, J. Hockman, J. B. L. Smith, G. Vigliensoni, and I. Fujinaga. 2010. Evaluating the performance of lyrical features relative to and in combination with audio, symbolic and cultural features. *Proc. of the Int. Society for Music Information Retrieval Conference*. 213–8.

## Invited Talks / Presentations / Posters

February, 2012	Presentation	CIRMMT Axis 3 Workshop on Music Score Searching and Analysis. Center for Interdisciplinary Research in Music, Media and Technology, Montreal, QC, Canada.
February, 2012	Poster	Northeastern Music Informatics Special Interest Group, Dartmouth College, Hanover, NH, United States.
October, 2011	Poster	12th International Society for Music Information Retrieval Conference. Miami, FL, United States.
July, 2011	Poster	Hankinson, A., G. Vigliensoni, J. A. Burgoyne, and I. Fujinaga. 2011. New Tools for Optical Chant Recognition. Poster accepted at the International Association of Music Libraries conference, Dublin, Ireland.
July, 2011	Poster	Burgoyne, J. A., R. Chiu, G. Vigliensoni, A. Hankinson, J. Cumming, and I. Fujinaga. 2011. Creating a fully-searchable edition of the Liber Usualis. Poster accepted at the Medieval and Renaissance Music Conference, Barcelona, España.
March, 2011	Presentation	CIRMMT Axis 3 Workshop on Optical Music Recognition. Center for Interdisciplinary Research in Music, Media and Technology, Montreal, QC, Canada.
October, 2010	Presentation	CIRMMT Axis 3 Workshop on music information retrieval and cultural metadata. Center for Interdisciplinary Research in Music, Media and Technology, Montreal, QC, Canada.
August, 2010	Poster	11th International Society for Music Information Retrieval Conference. Utrecht, Netherlands.
June, 2010	Presentation	2010 International Computer Music Conference. New York, NY, USA.
June, 2010	Presentation	2010 International Computer Music Conference workshop: Music information retrieval for composition and performance. Harvest Works. New York, NY, USA.
May, 2010	Poster and Concert	CIRMMT Student Symposium 2010. Center for Interdisciplinary Research in Music, Media and Technology, Montréal, QC, Canada.

## Musical Credits (Composer / Performer / Music Producer / Audio Engineer)

2008	LULÚ JAM! - SUBAN EL VOLUMEN (FERIA MUSIC) (C / P / M) REDULCE - FIVE MINUTE LOVE (FERIA LA OREJA) (M / A)
2007	LAINUS - HIPOTÁLAMO (FERIA LA OREJA) (A)
2006	MISMOS - CASPANA (LA OREJA) (C / P / M) ROCK HUDSON - QUINTANA ROO (LA OREJA) (M / A)
2005	SECUESTRO - SOUNDTRACK (C / M) ROCK HUDSON - EL ELELÁ (INDEPENDIENTE) (M / A)
2004	GABRIEL VIGLIENSONI - NATA (GmbH) (C / P / M) ELECTRODOMÉSTICOS - LA NUEVA CANCIÓN CHILENA (LA OREJA) (P) OSCILACIÓN - POESÍA + ELECTRÓNICA (INDEPENDIENTE) (C / P / M)

	<b>PURDY ROCKS</b> – ROCK MY ASS (GmbH) <b>(M / A)</b> <b>SAIKO</b> – LAS HORAS (LA OREJA) <b>(A)</b>
2003	<b>LULÚ JAM!</b> - CORAZÓN CALIENTE (WARNER MUSIC) <b>(C / P / M)</b> <b>FRANCISCO ALLENDES</b> – VACAS LOCAS (INDEPENDIENTE) <b>(A)</b> <b>CARLOS SILVA</b> – SOLO, DUO, TRIO (GmbH) <b>(A)</b> <b>DJ BITMAN</b> – SUNSET BEATS (BIG SUR) <b>(P)</b> <b>EARTHNIC</b> – EARTHNIC VOL. 1, 2 & 3 (HORIZONTE) <b>(C / P)</b>
2002	<b>MISMOS</b> - PICNIC (SELLO AZUL) <b>(C / P / M)</b> <b>MYRIAM HERNÁNDEZ</b> – EN CONCIERTO (SONY MUSIC) <b>(A)</b> <b>ANGEL PARRA TRÍO</b> – LA HORA FELIZ (SONY MUSIC) <b>(P)</b> <b>BITMAN &amp; ROBAN</b> – ROBAR ES NATURAL (BIG SUR) <b>(P)</b>
2001	<b>LUCYBELL</b> – SESIÓN FUTURA (WARNER MUSIC) <b>(A)</b> <b>ZATURNO &amp; TAPIA RABIA</b> – FUSIÓN DE ESTILOS (WARNER MUSIC) <b>(A)</b>
2000	<b>DOLORES DELIRIO</b> – RAÍZ (SONY MUSIC) <b>(M / A)</b> <b>CANAL MAGDALENA</b> - SUMMER LOOSER BOY (WARNER MUSIC) <b>(E)</b> <b>EL TURNO DEL ANGEL</b> – SOUNDTRACK <b>(C)</b>
1999	<b>LA FRECUENCIA REBELDE</b> – LA FRECUENCIA REBELDE (SONY BMG) <b>(A)</b> <b>AMOROSA</b> – SOUNDTRACK <b>(C)</b>
1998	<b>LUCYBELL</b> – LUCYBELL (EMI ODEON) <b>(C / P / M)</b>
1997	<b>CANAL MAGDALENA</b> – ESPUMA (WARNER MUSIC) <b>(M)</b>
1996	<b>LUCYBELL</b> – MATAZ EP (EMI MUSIC) <b>(C / P / M)</b> <b>LUCYBELL</b> – VIAJAR (EMI MUSIC) <b>(C / P / M)</b>
1995	<b>LUCYBELL</b> – PECES (EMI MUSIC) <b>(C / P / M)</b>

### *Current Affiliations*

**INTERNATIONAL COMPUTER MUSIC ASSOCIATION**  
Student Member

**CENTRE FOR INTERDISCIPLINARY RESEARCH IN MUSIC, MEDIA, AND TECHNOLOGY / CIRMMT / CANADA**  
Student Member / Research Axis 3 Student Representative

**DISTRIBUTED DIGITAL MUSIC ARCHIVES & LIBRARIES LAB (DDMAL) / MCGILL UNIVERSITY / CANADA**  
Graduate Student

**SOCIEDAD CHILENA DEL DERECHO DE AUTOR (SCD) / CHILE**  
Active Member

### *Computer Skills*

**DIGITAL AUDIO WORKSTATIONS:** ProTools, Logic, Nuendo, Cubase, Samplitude.

**SOUND EDITORS:** Peak, Soundforge, Audacity.

**ONLINE BROADCAST:** SAM Broadcaster, NiceCast

**OPERATING SYSTEMS:** UNIX, OSX, Windows

**PROGRAMMING:** Python, Max/MSP, PureData, Matlab.

**OTHERS:** LaTeX, WordPress

### *Languages*

**SPANISH:** Native

**ENGLISH:** Fluent