

## Curriculum Vitae

# Gabriel Vigliensoni-Martin

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### *Profile*

I have been professionally involved in popular music production, performance, and sound recording for several artists and record labels for the past 20 years. The experience created a desire to better understand the changing ways in which music is now created, distributed, and enjoyed. In recognition of my achievements, Gobierno de Chile awarded me the Beca Bicentenario grant, leading me to pursue a Ph.D. in Music Technology at McGill University under the supervision of Prof. Ichiro Fujinaga. My main research interest is the design of user-centric automatic music recommendation systems.

### *Education*

2011–PRESENT	<b>PH.D. CANDIDATE IN MUSIC (MUSIC TECHNOLOGY)</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, Sociedad Chilena del Derecho de Autor (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 “MUSIC AND THE INTERNET”, “NEW MEDIA PRODUCTION I”.</b> SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
2011–PRESENT	<b>RESEARCH ASSISTANT “SINGLE INTERFACE FOR MUSIC SCORE SEARCHING AND ANALYSIS” PROJECT.</b> DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
2013–2015	<b>RESEARCH ASSISTANT “CENTRE DE RECHERCHE SUR L’INTERPRÉTATION AU CLAVECIN” PROJECT.</b> DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY

- 2010–2011                    **RESEARCH ASSISTANT “OPTICAL MUSIC RECOGNITION FOR PLAINCHANT” PROJECT.**  
DEPARTMENT OF MUSIC RESEARCH, SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
- 2004–2009                    **DIRECTOR, SOUND ENGINEERING PROGRAM.** ESCUELA DE COMUNICACIÓN, INSTITUTO PROFESIONAL DUOCUC, SANTIAGO DE CHILE
- 2000–2004                    **LECTURER “PLASTICIDAD EN LA BANDA SONORA”.** ESCUELA DE POSTGRADO, FACULTAD DE ARTES. UNIVERSIDAD DE CHILE, SANTIAGO DE CHILE
- 1995–1996                    **LECTURER “SOUND RECORDING TECHNIQUES”.** ESCUELA DE MÚSICA, SOCIEDAD CHILENA DEL DERECHO DE AUTOR. SANTIAGO DE CHILE

### *Professional Experience*

- 2008–2010                    **DIRECTOR, ARMABLE ONLINE RADIO,** SANTIAGO DE CHILE  
  
Online radio based on automatic playlist generation.
- 2000–2008                    **OWNER, OJOPARLANTE RECORDING STUDIOS,** SANTIAGO DE CHILE  
  
Music production center and recording facility with analog and digital tools and attitude.
- 2003–PRESENT                **M-POWERED ARTIST, M-AUDIO INTERNATIONAL**  
  
I have been an *M-Powered Artist* for M-Audio International for the last 13 years (<http://www.m-audio.com/artists/profile/gabriel-vigliensoni>)
- 1993–1996                    **SOUND ENGINEER, FUNDACIÓN CENTRO CULTURAL BALMACEDA 1215,** SANTIAGO DE CHILE  
  
Designed and management of the *Balmaceda 1215 Foundation* recording studio.
- 1992–1993                    **SOUND TECHNICIAN, TELEVISIÓN NACIONAL DE CHILE,** SANTIAGO DE CHILE  
  
I worked as a sound technician in the largest Chilean TV network.

### *Performing Experience*

- 2012–2014, 1991–1998        **COMPOSER & PERFORMER, LUCYBELL**  
  
Founding member and composer of the first four albums of the band *Lucybell*. We earned gold and double platinum albums, and toured extensively in the United States, Argentina, Colombia, Ecuador, México, Perú, and Chile.
- 2001–2009                    **COMPOSER & PERFORMER, MISMOS**  
  
Keyboard player, composer, and musical producer for the electronic band *Mismos*. We released two records and toured Colombia and Chile.
- 2003–2005                    **PERFORMER, ELECTRODOMÉSTICOS**  
  
Keyboard player of the band *Electrodomésticos*. We released one record and toured Argentina and Chile.

## Publications

- Vigliensoni, G. and I. Fujinaga. 2016. Automatic music recommendation systems: Do demographic, profiling, and contextual features improve their performance?. *17th International Society for Music Information Retrieval Conference*.
- Calvo-Zaragoza, J., G. Vigliensoni, and I. Fujinaga. 2016. Staff-line detection on greyscale images with pixel classification. Late breaking session *17th International Society for Music Information Retrieval Conference*.
- Calvo-Zaragoza, J., G. Vigliensoni, and I. Fujinaga. 2016. Document analysis for music scores via machine learning. *3rd International Digital Libraries for Musicology workshop*.
- Barone, M., K. Dacosta, G. Vigliensoni, and M. Woolhouse. GRAIL: A general recorded audio identity linker. Late breaking session *17th International Society for Music Information Retrieval Conference*.
- Fujinaga, I., G. Vigliensoni, and H. Knox. 2015. The making of a computerized harpsichord for analysis and training. *International Symposium on Performance Science*.
- Barone, M., K. Dacosta, G. Vigliensoni, and M. Woolhouse. 2015. GRAIL: A Music Identity Space Collection and API. Late breaking session *16th International Society for Music Information Retrieval Conference*.
- Vigliensoni, G., and I. Fujinaga. 2014. Time-shift normalization and listener profiling in a large dataset of music listening histories. *Fourth annual seminar on cognitively based music informatics research*.
- Vigliensoni, G., and I. Fujinaga. 2014. Identifying time zones in a large dataset of music listening logs. *Proc. of the International Workshop on Social Media Retrieval and Analysis*.
- Vigliensoni, G., J. A. Burgoyne, and I. Fujinaga. 2013. Musicbrainz for the world: the Chilean experience. *Proc. of the Int. Society for Music Information Retrieval Conference*. 131–6.
- Vigliensoni, G., G. Bulet, and I. Fujinaga. 2013. Optical measure recognition in common music notation. *Proc. of the Int. Society for Music Information Retrieval Conference*. 125–30.
- Vigliensoni, G., and M. Wanderley. 2012. A quantitative comparison of position trackers for the development of a touch-less musical interface. In *Proc. of the New Interfaces for Musical Expression Conference*.
- Hankinson, A., J. A. Burgoyne, G. Vigliensoni, A. Porter, J. Thompson, W. Liu, R. Chiu, and I. Fujinaga. 2012. Digital document image retrieval using optical music recognition. *Proc. of the Int. Society for Music Information Retrieval Conference*.
- Hankinson, A., J. A. Burgoyne, G. Vigliensoni, and I. Fujinaga. 2012. Creating a large-scale searchable digital collection from printed music materials. *Proc. Advances in Music Information Research*.
- Vigliensoni, G. 2011. Touch-less gestural control of concatenative sound synthesis. Master's thesis, McGill University.
- 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*.
- Hankinson, A., G. Vigliensoni, J. A. Burgoyne, and I. Fujinaga. 2011. New Tools for Optical Chant Recognition. *International Association of Music Libraries Conference*, Dublin, Ireland.
- Burgoyne, J. A., R. Chiu, G. Vigliensoni, A. Hankinson, J. Cumming, and I. Fujinaga. 2011. Creating a fully-searchable edition of the Liber Usualis. *Medieval and Renaissance Music Conference*. Barcelona, España.
- 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.
- 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.
- 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.

## Datasets

- Music Recommendation Dataset (KGRec-music). 2016. Oramas, S., V. C. Ostuni, and G. Vigliensoni. Licensed under Creative Commons CC BY-NC 3.0, except 3rd party data.
- Sound Recommendation Dataset (KGRec-sound). 2016. Oramas, S., V. C. Ostuni, and G. Vigliensoni. Licensed under Creative Commons CC BY-NC 3.0, except 3rd party data.

## Awards

2016	<b>BECA EXCELENCIA ACADÉMICA</b> SOCIEDAD CHILENA DEL DERECHO DE AUTOR, CHILE
2016, 2014, 2014, 2011	<b>CIRMMT TRAVEL AWARD</b> CENTRE FOR INTERDISCIPLINARY RESEARCH ON MUSIC MEDIA AND TECHNOLOGY
2012	<b>NEMISIG TRAVEL AWARD</b> NORTHEASTERN MUSIC INFORMATICS SPECIAL INTEREST GROUP
2011–2015	<b>BECA BICENTENARIO BECASCHILE, DOCTORAL STUDIES.</b> COMISIÓN NACIONAL DE CIENCIA Y TECNOLOGÍA, CHILE
2011–2012	<b>GRADUATE EXCELLENCE FELLOWSHIP</b> SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
2011	<b>SEYMOUR SCHULICH SCHOLARSHIP</b> SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
2010	<b>ISMIR STUDENT TRAVEL AWARD</b> INTERNATIONAL SOCIETY FOR MUSIC INFORMATION RETRIEVAL
2014, 2012, 2011, 2010, 2009	<b>GREAT AWARD</b> SCHULICH SCHOOL OF MUSIC, MCGILL UNIVERSITY
2009–2010	<b>McGILL PROVOST'S GRADUATE FELLOWSHIP</b> GRADUATE AND POSTDOCTORAL STUDIES OFFICE, MCGILL UNIVERSITY
2009–2011	<b>BECA BICENTENARIO BECASCHILE, MASTERS STUDIES</b> COMISIÓN NACIONAL DE CIENCIA Y TECNOLOGÍA, CHILE
1998	<b>GOLD ALBUM. LUCYBELL</b> by LUCYBELL INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)
1997	<b>PLATINUM ALBUM. VIAJAR</b> by LUCYBELL INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)
1996	<b>PLATINUM ALBUM. PECES</b> by LUCYBELL. INTERNATIONAL FEDERATION OF THE PHONOGRAPHIC INDUSTRY (IFPI)

## Invited Talks / Presentations / Posters

October, 2016	Presentation	Automatic music recommendation systems: do demographic, profiling, and contextual features improve their performance?. User-centric Music Information Retrieval graduate seminar. School of Information Studies, McGill University, Montréal, QC.
August, 2016	Poster	<i>17th International Society for Music Information Retrieval Conference</i> . New York City, NY.
February, 2016	Presentation	Automatic music recommendation systems: do demographic, profiling, and contextual features improve their performance?. Doctoral colloquium. Schulich School of Music, McGill University, Montréal, QC.
October, 2015	Presentation	Discovering music listening patterns in a large dataset of music listening logs. GLIS692 graduate seminar. School of Information Studies, McGill University, Montréal, QC.
May, 2015	Presentation	An automated system for performing a figured bass realization with a live performer in real time. <i>International Conference of the Historical Keyboard Society of North America</i> , Montréal, QC.
March, 2015	Presentation	Discovering music listening patterns in a large dataset of music listening logs. MUMT621 graduate seminar. Department of Music Research, McGill University, Montréal, QC.
October, 2014	Presentation	Discovering music listening patterns in a large dataset of music listening logs. HUMA888 seminar. English Department, Concordia University, Montréal, QC.

October, 2014	Presentation	La música no se detiene: en la búsqueda de la innovación en la nueva economía de la música. <i>Segundo Festival Internacional de Innovación Social</i> . Santiago, Chile.
October, 2014	Presentation	La música no se detiene: en la búsqueda de la innovación en la nueva economía de la música. Departamento de Música y Sonología, Facultad de Artes, Universidad de Chile.
October, 2014	Poster	Vigliensoni, G., and I. Fujinaga. 2014. Time-shift normalization and listener profiling in a large dataset of music listening histories. <i>Fourth Annual Seminar on Cognitively Based Music Informatics Research</i> . Toronto, ON.
July, 2014	Poster	<i>International Workshop on Social Media Retrieval and Analysis</i> . Gold Coast, Australia.
November, 2013	Poster	<i>14th International Society for Music Information Retrieval Conference</i> . Curitiba, Brazil.
May, 2012	Presentation	<i>12th International Conference on New Interfaces for Musical Expression</i> . Ann-Arbor, MI.
February, 2012	Presentation	CIRMMT Axis 3 Workshop on Music Score Searching and Analysis. Center for Interdisciplinary Research in Music, Media and Technology, Montréal, QC, Canada.
February, 2012	Poster	<i>Northeastern Music Informatics Special Interest Group, Dartmouth College</i> . Hanover, NH.
October, 2011	Poster	<i>12th International Society for Music Information Retrieval Conference</i> . Miami, FL.
March, 2011	Presentation	CIRMMT Axis 3 Workshop on Optical Music Recognition. Center for Interdisciplinary Research in Music, Media and Technology. Montréal, QC.
October, 2010	Presentation	CIRMMT Axis 3 Workshop on music information retrieval and cultural metadata. Center for Interdisciplinary Research in Music, Media and Technology. Montréal, QC, Canada.
August, 2010	Poster	<i>11th International Society for Music Information Retrieval Conference</i> . Utrecht, Netherlands.
June, 2010	Presentation	<i>2010 International Computer Music Conference</i> . New York, NY.
June, 2010	Presentation	Music information retrieval for composition and performance. <i>2010 International Computer Music Conference</i> workshop. Harvest Works. New York, NY.
May, 2010	Poster and Concert	CIRMMT Student Symposium 2010. Center for Interdisciplinary Research in Music, Media and Technology. Montréal, QC.

### *Musical Credits* (Roles: (C)omposer, (P)erformer, (M)usic Producer, (A)udio Engineer)

2016	<b>SILVIO PAREDES</b> – POPTRONICS REMIXES (CLANG) (P / M / A)
2015	<b>VIGLIENSONI</b> - JAGUAR (CLANG) (C / P / M / A) <b>EQUIPO</b> - SIMULACIONES REVISITED (CLANG) (P / M / A)
2014	<b>VIGLIENSONI</b> - LE RÈGNE ANIMAL (INDEPENDENT) (C / P / M / A) <b>FRANCISCO GONZÁLEZ</b> - ALMA PÚRPURA (INDEPENDENT) (P) <b>ENTRÓPICA</b> - NIÑA NUCLEAR (PUNK RECORDS) (P)
2013	<b>LUCYBELL</b> - PODEROSO (INDEPENDENT) (C / P / M)
2008	<b>LULÚ JAM!</b> - SUBAN EL VOLUMEN (FERIA MUSIC) (C / P / M) <b>REDULCE</b> - FIVE MINUTE LOVE (FERIA LA OREJA) (M / A)
2007	<b>LAINUS</b> – HIPOTÁLAMO (FERIA LA OREJA) (A)
2006	<b>MISMOS</b> - CASPANA (LA OREJA) (C / P / M) <b>ROCK HUDSON</b> – QUINTANA ROO (LA OREJA) (M / A)
2005	<b>SECUESTRO</b> – ORIGINAL SOUNDTRACK (C / M) <b>ROCK HUDSON</b> – EL ELELÁ (INDEPENDENT) (M / A)
2004	<b>GABRIEL VIGLIENSONI</b> - NATA (GMBH RECORDS) (C / P / M) <b>ELECTRODOMÉSTICOS</b> – LA NUEVA CANCIÓN CHILENA (LA OREJA) (P) <b>OSCILACIÓN</b> – POESÍA + ELECTRÓNICA (INDEPENDENT) (C / P / M) <b>PURDY ROCKS</b> – ROCK MY ASS (GMBH RECORDS) (M / A) <b>SAIKO</b> – LAS HORAS (LA OREJA) (A)

2003	LULÚ JAM! - CORAZÓN CALIENTE (WARNER MUSIC) (C / P / M) FRANCISCO ALLENDES – VACAS LOCAS (INDEPENDENT) (A) CARLOS SILVA – SOLO, DUO, TRÍO (GMBH RECORDS) (A) DJ BITMAN – SUNSET BEATS (BIG SUR RECORDS) (P) CUERPOS PINTADOS - MÚSICA DEL CUERPO (CUERPOS PINTADOS) (C / P / A) EARTHNIC – EARTHNIC VOL. 1, 2 & 3 (HORIZONTE) (C / P)
2002	MISMOS - PICNIC (SELLO AZUL) (C / P / M) MYRIAM HERNÁNDEZ – EN CONCIERTO (SONY MUSIC) (A) ANGEL PARRA TRÍO – LA HORA FELIZ (SONY MUSIC) (P) BITMAN & ROBAN – ROBAR ES NATURAL (BIG SUR RECORDS) (P)
2001	LUCYBELL – SESIÓN FUTURA (WARNER MUSIC) (A) ZATURNO & TAPIA RABIA – FUSIÓN DE ESTILOS (WARNER MUSIC) (A)
2000	DOLORES DELIRIO – RAÍZ (SONY MUSIC) (M / A) CANAL MAGDALENA - SUMMER LOOSER BOY (WARNER MUSIC) (E) EL TURNO DEL ÁNGEL – ORIGINAL SOUNDTRACK (C)
1999	LA FRECUENCIA REBELDE – LA FRECUENCIA REBELDE (SONY BMG) (A) SUPERNOVA – SUPERNOVA (SONY BMG) (P) AMOROSA – ORIGINAL SOUNDTRACK (C)
1998	LUCYBELL – LUCYBELL (EMI ODEÓN) (C / P / M)
1997	CANAL MAGDALENA – ESPUMA (WARNER MUSIC) (M)
1996	LUCYBELL – MATAZ EP (EMI MUSIC) (C / P / M) LUCYBELL – VIAJAR (EMI MUSIC) (C / P / M)
1995	LUCYBELL – PECES (EMI MUSIC) (C / P / M)

### *Affiliations*

2013–2015	ASSOCIATION FOR COMPUTING MACHINERY (ACM) Student Member
2011–PRESENT	DISTRIBUTED DIGITAL MUSIC ARCHIVES & LIBRARIES LAB. MCGILL UNIVERSITY, CANADA Graduate Student
2011–PRESENT	INTERNATIONAL COMPUTER MUSIC ASSOCIATION (ICMA) Student Member
2010–PRESENT	INTERNATIONAL SOCIETY FOR MUSIC INFORMATION RETRIEVAL (ISMIR) Student Member
2010–PRESENT	CENTRE FOR INTERDISCIPLINARY RESEARCH IN MUSIC MEDIA, AND TECHNOLOGY. CANADA Student Member
2009–2011	INPUT DEVICES AND MUSIC INTERACTION LAB. MCGILL UNIVERSITY, CANADA Graduate Student
1996–PRESENT	SOCIEDAD CHILENA DEL DERECHO DE AUTOR (SCD), CHILE Active Member

### *Reviewing Committees*

2016–PRESENT	Journal of the Association for Information Science and Technology
2015–PRESENT	International Society for Music Information Retrieval
2007–2008	AcreditaUC. Comisión Nacional de Acreditación. Chile.