Martin A. Miguel

POST-DOCTORAL FELLOW

Psychology, Neuroscience and Behavior · McMaster University, Hamilton, Canada

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Education

University of Buenos Aires (UBA)   *Buenos Aires, Argentina*

PHD IN COMPUTER SCIENCE   *April 2016 - August 2022*

- Advisor: Diego Fernandez Slezak - Applied Artificial Intelligence Lab (LIAA), Computer Science Department, University of Buenos Aires, Buenos Aires, Argentina; Computer Science Institute, National Scientific and Technical Research Council (CONICET)-UBA, Argentina
- Co-advisor: Mariano Sigman - Neuroscience Laboratory, Torcuato Di Tella University, Buenos Aires, Argentina; Faculty of Language and Education, Nebrija University, Madrid, Spain

Contemporary Music School   *Buenos Aires, Argentina*

PROFESSONAL MUSICIAN   *April 2015 - June 2017 (Paused)*

University of Buenos Aires   *Buenos Aires, Argentina*

BS + MS IN COMPUTER SCIENCE   *April 2008 - December 2015*

Academic Positions

McMaster University   *Hamilton, Ontario, Canada*

POST-DOCTORAL FELLOWSHIP   *September 2022 - Present*

- Advisor: Laurel Trainor - Auditory Development Lab & LIVELab, McMaster University
- Advisor: Jonathan Cannon - METRE Lab, McMaster University

Dance Experience

DANCE STYLES

Rock n' Roll Took lessons for 2 years, 2006-2008

Lindy hop Took lessons for 2 years, 2007-2009

Salsa Took lessons for 3 months, 2009

Blues Informal dancing since 2012

Fusion Informal dancing since 2014

Tango Took lessons for 6 months, since 2023

DANCE ADMINISTRATION

Blues Organized blues monthly socials with a live band in Buenos Aires, Argentina for 8 months. I'd normally teach the intro lesson.

Blues Performed as a DJ in my organized socials as well as two festivals in Krakow, Poland.

Teaching Experience

Teaching Fellow, Algorithms and Data Structures II, *University of Buenos Aires*   April 2016 – August 2022

Teaching Assistant, Algorithms and Data Structures II, *University of Buenos Aires*   March 2011 – July 2012

Industry Experience

Technical Consultant, *MateMarote Project (Online Educational Games)* — June 2017 – June 2022

Data Scientist, *Avenida.com* — January 2016 – March 2016

Software Engineer, *MateMarote Project (Online Educational Games)* — April 2015 – December 2015

Software Engineer Intern, *Google.com* — January 2014 – April 2014

Java Programmer, *Despegar.com* — August 2012 – December 2013

Java Programmer (J2ME / Blackberry), *SenseByte* — January 2009 – January 2010

Summarized academic CV

4 published papers on computational models of beat perception

2 published papers on using video games to train children cognitive abilities

Currently running an study comparing parter switching strategies and its effect in partner dancing learning

Mentored 2 Masters thesis in Computer Science on computational models for music information retrieval

Mentored 1 Masters thesis in Psychology neuroscience of beat perception