

# Flavio Omar Everardo Pérez

## Curriculum Vitae

Birth	February 17th 1987
Birthplace	Villahermosa Tabasco, México
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## Research Interests

My interests involve the exploration and navigation of the search space from high-combinatorial problems under Answer Set Programming (ASP). This is achieved by extending the state-of-the-art and awards winner ASP solver *clingo* with reasoning over parity constraints. As a music producer and researcher on Intelligent Music Production using ASP, I'm interested in applying the aforementioned research into Multitrack Mixing and Mastering.

## Education

- Oct 2016–present** PhD student under supervision of Torsten Schaub at the University of Potsdam, Department of Computer Science; working title of PhD program: “Sampling and Search Space with Answer Set Programming using Parity Constraints and its Application to Automatic Multitrack Mixing”
- Aug 2010–Dec 2011** Master in Computer Science at Universidad de las Américas Puebla, México.
- Aug 2006–Jul 2010** Bachelor in Systems and Information Technologies at Universidad de las Américas Puebla, México.

## Professional Career

- Oct 2019–present** Full time Professor/Researcher at Tecnológico de Monterrey campus Puebla, México. Professor at Digital Music Production/Technology and Music Production.
- Sep–Oct 2016** Professor at Leonardo da Vinci University campus Tehuacán, Puebla, México. Master Degree Professor. Subject:Sustainable Planning and Administration.
- Jun–Jul 2016** Professor at University: Tecnológico de Monterrey campus Puebla, México. Professor at Bachelor in Animation and Digital Art.
- Jun–Jul 2016** Professor at Instituto de Música Pacelli / Pacelli Music Institute Puebla, México. Course: Digital Music Production
- Oct 2013–Aug 2015** Project Supervisor at Grupo Bimbo Corporation Systems Direction Office. Mexico City. Trained at Mannhantans WMS Solution for Logistics, Warehousing and Supply Chain

**Jan 2012–present** Co-founder, and Releases and Media Manager at 750Records. Independent Electronic Music Record Label.

**Jan 2012–May 2013** Professor/Researcher at University: Tecnológico de Monterrey campus Puebla, México. Professor at careers Bachelor. Digital Music Production and Bachelor in Animation and Digital Art. Major Courses: Audio Programming, Introduction to Computer Music, Virtual Reality Programming.

## Publications (Top 5)

**Everardo, F., Hecher, M., Shukla, A.** An Approximate Model Counter for ASP To appear in the 18th edition of the International Workshop on Non-Monotonic Reasoning (NMR), September 2020.

**Everardo, F., Osorio, M. 2019.** Towards an Answer Set Programming Methodology for Constructing Programs Following a Semi-Automatic Approach. Proceedings of the Twelfth Latin American Workshop on Logic/Languages, Algorithms and New Methods of Reasoning (LANMR). Puebla, Mexico, November 15, 2019.

**Everardo, F., Janhunnen, T., Kaminski, R., Schaub, T. 2019.** The return of *xorro*. Proceedings of the 15th International Conference on Logic Programming and Non-monotonic Reasoning, LPNMR 2019, Phil, PA, USA, June 3-7, 2019.

**Everardo, F. 2017.** Towards an Automatic Multitrack Mixing Process for Stereo Imaging using Answer Set Programming. Proceedings on the 14th Sound & Music Computing Conference 2017, Finland.

**Everardo, F. Aguilera, A. 2011.** Armin: Automatic Trance Music Composition using Answer Sets Programming. Journal of Fundamenta Informaticae in the Special issue on Logic, Algorithms and Non-monotonic Reasoning 113 v1 (2011).

## Languages

**Spanish:** Native Language

**English:** Advance (TOEFL: 587 points)

**German:** Intermediate