

# Juan Manuel Pérez

Email        jmperez@dc.uba.ar  
Homepage    <http://jmperez.com.ar>

## Education

**Ph.D. in Computer Science**, Universidad de Buenos Aires. Advisors: Franco Luque and Agustín Gravano, “Técnicas y recursos para la detección de discurso de odio en redes sociales” (2022)

**Licenciatura in Computer Science, FCEyN, UBA**, 2007-2016. PGA: 9.32. Thesis “Métricas de mimetización acústico-prosódica en hablantes y su relación con rasgos sociales de diálogos.”

**Licenciatura in Mathematics, FCEyN, UBA**, 2007-2010 (Unfinished)

## Employment

### *Academia*

**Professor** (seasonal), Maestría de Cs. de Datos, Universidad de San Andrés. Course: Natural Language Processing. 2022-present

**Postdoctoral researcher** (2022-), Instituto de Ciencias de la Computación, UBA-CONICET.

**PhD Fellow** (2016-2022) CONICET scholarship at Instituto de Ciencias de la Computación, UBA-CONICET.

**Teaching Assistant:** (2016-Present) Courses: Numerical Methods, Paradigms of Programming, Theory of Languages, Introduction to Computer Science (for Biology students), Departamento de Computación, FCEyN, UBA.

**Teaching Assistant:** (2013) Courses: Theory of Languages, Numerical Methods, Departamento de Computación, FCEyN, UBA

### *Software Industry*

**Software Engineer, Altoros** (August 2014 - April 2016) Web Development in Ruby+JS; Scrum Master.

**Software Engineer, Devartis** (February 2013 - August 2014) Web Development in Python+Ruby+JS

**Developer, Manas** (May 2012, July 2012) Worked on a refactoring of an e-commerce system.

**Developer, Metrogames** (April 2010 - December 2011) Game development on iPhone and Facebook.

**Developer, gRantAire** (February 2009, November 2009). Web development.

**Freelance Web Developer** (2008 - 2011) Web development using HTML, JS, PHP and Ruby on Rails.

**Developer, 4DataLink**, (February 2005 - May 2007). Development of an AutoCAD GIS plugin

## Publications

Pérez, J. M., Luque, F., Zayat, D., Kondratzky, M., Moro, A., Serrati, P., ... Gravano A. and Cotik, V. Assessing the impact of contextual information in hate speech detection. *IEEE Access* 2023

Bernal, F.A., Salgueiro, T.A., Brzostowski A., Zapata, E. R., Carames, A., **Pérez, J.M.**, Furman, D., Graziano, M., Larrosa, P. N. Top-down modulation impairs priming susceptibility in complex decision-making with social implications. *Scientific Reports*, 2022.

Salgueiro, T. A., , Furman, D., **Pérez, J. M.**, & Larrosa, P. N. F. (2022). A Spanish dataset for Targeted Sentiment Analysis of political headlines. *Simposio Argentino de Inteligencia Artificial (ASAI), Jornadas Argentinas de Informática e Investigación Operativa*

**Pérez, J. M.**, Aleman, D. E., Kalinowski, S. N., Gravano, A. (2022). Exploiting user-frequency information for mining regionalisms in Argentinian Spanish from Twitter. *Procesamiento del Lenguaje Natural*, 69, 51-62.

**Juan Manuel Pérez**, Damián A. Furman, Laura Alonso Alemany, and Franco Luque. “RoBERTuito: a pre-trained language model for social media text in Spanish.”, *LREC*, 2022.

**Juan Manuel Pérez**, Juan Carlos Giudici, and Franco Luque. “pysentimiento: A python toolkit for sentiment analysis and SocialNLP tasks.” *arXiv preprint arXiv:2106.09462* (2021).

**Juan Manuel Pérez**, Aymé Arango, Franco Luque “ANDES at SemEval-2020 Task 12: A jointly-trained BERT multilingual model for offensive language detection” , *Proceedings of the 14th International Workshop on Semantic Evaluation*. 2020.

Viviana Cotik, **Juan Manuel Pérez**, Luque Franco “Window Classifiers and Conditional Random Fields for Medical Report De-Identification”, *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2019)*.

**Juan Manuel Pérez**, Luque Franco “Atalaya at SemEval 2019 Task 5: Robust Embeddings for Tweet Classification.” *Proceedings of the 13th International Workshop on Semantic Evaluation*. 2019.

Franco M. Luque, **Juan Manuel Pérez** “Atalaya at TASS 2018: Sentiment analysis with tweet embeddings and data augmentation” *Proceedings of TASS 2018: Workshop on Semantic Analysis at SEPLN (TASS 2018)*. Vol. 2172. 2018.

Pablo Brusco, **Juan Manuel Pérez**, Agustín Gravano “Cross-linguistic study of the production of turn-taking cues in American English and Argentine Spanish”, *Interspeech* (2017)

Janine Kleinhans, Mireia Farrús, Agustín Gravano, **Juan Manuel Pérez**, Catherine Lai, Leo Wanner “Using Prosody to Classify Discourse Relations”, *Interspeech* (2017)

**Juan Manuel Pérez**, Ramiro H. Gálvez, and Agustín Gravano. “Disentrainment may be a positive thing: A novel measure of unsigned acoustic-prosodic synchrony, and its relation to speaker engagement.” *Interspeech 2016* (2016): 1270-1274.

## Others

Participant in one of the winner teams (for Task A in Spanish) at **SEMEval Shared Task 5: Multilingual detection of Hate Speech**

“**Thesis award 2016**”, Departamento de Computación, FCEN, UBA (for MSc thesis)

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