

Mariano Maisonnave

Curriculum Vitae

*Sala Becarios I, San Andrés 800
DCIC, Universidad Nacional del Sur
Bahía Blanca, Argentina
☎ +54 9 2926-477805
mariano.maisonnave@cs.uns.edu.ar*



Academic Formation

- 2017-Present **Ph.D. Student**, at *Instituto de Ciencias e Ingeniería de la Computación (ICIC)* - CONICET, CONICET Fellow.
Research Areas: Causal Inference, Bayesian Networks, Econometrics, Text Mining, Data Sciences and Machine Learning.
Advisor: Ana G. Maguitman. Co-advisor: Fernando A. Tohmé.
- 2016 **Computer Systems Engineering**, *Universidad Nacional del Sur*, Bahía Blanca.
GPA 8.58 (out of 10).

Teaching and Academic Background

- 2017-Present **Position as T.A. Category "A"**, *Discipline: Systems*, Course: **Embedded Systems**.
- 2020 **Contract as T.A. Category "A"**, *Discipline: Systems*, Course: **Computer Organization**.
- 2020 **Contract as a Professor**, for the leveling course "**Analysis and problem solving (ACP)**".
- 2019 **Contract as Head of T.As.**, *Discipline: programming*, Course: **Introduction to Object-Oriented Programming**.
- 2015-2019 **Position as T.A. Category "B"**, *Discipline: programming*, Course: **Introduction to Object-Oriented Programming**.
- 2018 **Contract as a T.A. Category "A"**, for the leveling course "**Analysis and problem solving**".
- 2017 **Contract as a T.A. Category "A"**, for the leveling course "**Analysis and problem solving**".
- 2015-2016 **Contract as T.A. Category "B"**, *Discipline: Theory of computation*, Course: **Formal languages and Automata Theory**.

Recognitions and Awards

- 2020 **Google Latin America Research Awards (LARA)**, *Project name: "Learning Causal Models from Digital Media"*, Advisor: Ana G. Maguitman, Ph.D. Co-advisor: Fernando A. Tohmé, Ph.D.
(Award granted as an extension for the proposal presented in 2019).
- 2019 **Google Latin America Research Awards (LARA)**, *Project name: "Learning Causal Models from Digital Media"*, Advisor: Ana G. Maguitman, Ph.D. Co-advisor: Fernando A. Tohmé, Ph.D.

- 2019 **Recipient of the Emerging Leaders in the Americas Program (ELAP) Scholarship**, *Research stay for a term of four months at Dalhousie University, Halifax, Canada*, supervisor: Evangelos E. Milios, Ph.D.
- 2019 **Doctoral Scholarship**, *Granted by the Argentinian National Scientific and Technical Research Council (CONICET)*, full Scholarship to pursue a doctorate in Computer Science with a duration of five years. From April 2017 to April 2022, Advsior: Ana G. Maguitman, Ph.D. Co-advisor: Fernando A. Tohmé, Ph.D.
- 2015-2017 **Recipient of the “Encouragement of Scientific Vocations” Scholarship**, *granted by the National Interuniversity Council (CIN)*, Argentina.
Research Title: Adaptive learning Applied to Contextualized Information Retrieval.
advisor: Ana G. Maguitman, Ph.D

University Service

- 2015-Present **University Tutor**, *working for the Departamento de Ciencias e Ingeniería de la Computación*, Universidad Nacional del Sur.
- 2016 **Treasurer of the Computer Student Center**, Universidad Nacional del Sur.
- 2015 **Student Representative at the Departmental Council**, *Departamento de Ciencias e Ingeniería de la Computación*, Universidad Nacional del Sur.
- 2015 **Member at the Academic Affairs Commission**, *Departamento de Ciencias e Ingeniería de la Computación*, Universidad Nacional del Sur.
- 2015 **Vice President of the Computer Student Center**, Universidad Nacional del Sur.

Publications

- 2020 Maisonnave, M., Delbianco, F., Tohmé, F. and Maguitman, A., 2020. *A supervised term-weighting technique for topic-based retrieval*. arXiv preprint arXiv:2007.06616.
- 2020 Maisonnave, M., Delbianco, F., Tohmé, F., Maguitman, A. and Milios, E., 2020. *Improving Event Detection using Contextual Word and Sentence Embeddings*. arXiv preprint arXiv:2007.01379.
- 2019 Maisonnave, M., Delbianco, F., Tohmé, F.A. and Maguitman, A.G., 2019. *A Flexible Supervised Term-Weighting Technique and its Application to Variable Extraction and Information Retrieval*. *Inteligencia Artificial*, 22(63), pp.61-80.

Presentations and communications at conferences

- 2020 Maisonnave, M., Delbianco, F., Tohmé, F., Maguitman, A.G. and Milios, E.E., 2020, September, *Assessing Causality Structures learned from Digital Text Media*, In Proceedings of the ACM Symposium on Document Engineering 2020 (pp. 1-4)..
- 2019 Maisonnave, M., 2019, June, *Detección de Textos Similares a través de una Técnica de Agrupamiento Basada en Densidad*, Comunicación en XV Congreso Dr. Antonio Monteiro.
- 2018 Maisonnave, M., Delbianco, F., Tohmé, F.A. and Maguitman, A.G., 2018, November, *A Supervised Term-Weighting Method and its Application to Variable Extraction from Digital Media*, In XIX Simposio Argentino de Inteligencia Artificial (ASAI)-JAIIO 47.

Participation in Research Projects

- 2019-Present **Recuperación de Información basada en Contextos Temáticos**, *PGI: 24/N051*, P.I.: Ana G. Maguitman. Granted by: Universidad Nacional del Sur.
- 2015-2019 **Combining Context-based Search and Argumentation for delivering information in E-Gov Infrastructures**, *PICT-2014-0624*, P.I.: Ana G. Maguitman. Granted by: Agencia Nacional de Promoción Científica y Tecnológica.
- 2015-2018 **Soporte Inteligente para Facilitar el Acceso a Recursos Digitales en Entornos Distribuidos**, *PGI: 24/N039*, P.I.: Ana G. Maguitman. Granted by: Universidad Nacional del Sur.

Attendance to Courses, Seminars & Symposia

- 2019 **School of Informatic Sciences (ECI)**, *Departamento de Computación de la Facultad de Ciencias Exactas y Naturales*, Universidad de Buenos Aires (UBA).
 - **Natural language processing with neural networks (15hs)**. Prof. Germán Kruszewski, Facebook AI, UK. Grade: 8
 - **Deep reinforcement learning (15hs)**. Prof. Juan Gomez Romero, Universidad de Granada, Spain. Grade: 7
 - **Probabilistic classifiers in Machine Learning (15hs)**. Prof. Daniel Ramos Castro, Universidad Autonoma de Madrid, Spain. Grade: 6
- 2019 **XV Dr. Antonio Monteiro Congress**, *Universidad Nacional del Sur*, Argentina.
 - **Probabilistic Models (4hs)**. Prof. Pablo Martín Rodriguez, Universidade Federal de Pernambuco, Brazil.
- 2018 **47 Jornadas Argentinas de Informática (JAIIO)**, *Universidad de Palermo*, (CABA Argentina).
- 2017 **Argentine Symposium on Embedded Systems (SASE)**, *Facultad De Ingeniería*, Universidad de Buenos Aires (UBA), Argentina.
- 2015 **School of Informatic Sciences (ECI)**, *Departamento de Computación de la Facultad de Ciencias Exactas y Naturales*, Universidad de Buenos Aires (Universidad Buenos Aires, Argentina).
 - **Protecting the Confidentiality and Integrity of Data on the Web (15hs)**. Prof. Alejandro Russo, Chalmers University of Technology, Sweden. Grade: 10
 - **Computer Science and Privacy (15hs)**. Prof. Frederic Prost, Université Grenoble Alpes, France.
- 2014 **Argentine Symposium on Embedded Systems (SASE)**, *Facultad De Ingeniería*, Universidad de Buenos Aires (Universidad Buenos Aires, Argentina).