



Antonela Tommasel

PhD in Computer Sciences

Motivated, responsible and committed. 6+ years of research experience. Enthusiastic for continuously learning. Reliable. Passionate for research. 8+ years of teaching experience.

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📍 Tandil, Argentina

🌐 tommantonela.github.io

in /antonela-tommasel

🌐 /tommantonela

SKILLS

Programming Languages

- Java
- Python
- R
- Bash
- C

Applied Maths

- Calculus
- Algebra
- Statistics Analysis

Tools

- StanfordNLP
- Gephi – JUNG
- Twitter API
- Selenium
- MySQL
- IBM NL

INTERESTS

- Social Network Analysis
- Link Prediction
- Social Media
- Recommender Systems
- Machine Learning
- Text Mining
- Social Computing
- Fake News Spread

LANGUAGES

- Spanish
Native or Bilingual Proficiency
- English
Native or Bilingual Proficiency
- French
Professional Working Proficiency
- Italian
Professional Working Proficiency
- Portuguese
Limited Working Proficiency
- German
Elementary Proficiency

WORK EXPERIENCE

Assistant Researcher

ISISTAN, CONICET-UNICEN

11/2019 – Present

Tandil, Argentina

Research Interest:

Recommendation of Trustworthy Users in Social Media based on Heterogeneous Information
Recommender Systems – Social Media – Text Mining – Social Computing – Fake news

Teacher Assistant

Universidad Nacional del Centro de la Provincia de Buenos Aires

04/2010 – Present

Tandil, Argentina

Undergraduate Courses:

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|---|---|
| <ul style="list-style-type: none"> Introduction to Computer Sciences Relational and First-grade Logic Analysis and Design of Algorithms Object Oriented Programming | <ul style="list-style-type: none"> Computer Architecture Software Development Methodologies Introduction to Compilers Design |
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Undergraduate & Graduate Seminars:

- Web Mining
- Advanced Java Programming Workshop
- Recommender Systems

EDUCATION

PhD in Computer Sciences

Universidad Nacional del Centro de la Provincia de Buenos Aires

07/2013 – 12/2017

Tandil, Argentina

Thesis: *A Social-aware Online Short-text Feature Selection Technique for Social Media*

Courses:

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|--|---|
| <ul style="list-style-type: none"> Parallel and Distributed Computing Strategies for Cross-Cutting Concern Separation Introduction to Planning Algorithms Architecture Driven Design Methodologies | <ul style="list-style-type: none"> Introduction to Evolutionary Computing Tools for Internet Application Development: Electronic Commerce and Mobile Computing Web Data Mining |
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Bachelor in Software Engineering

Universidad Nacional del Centro de la Provincia de Buenos Aires

03/2008 – 11/2012

Cumulative GPA: 3.95/4.0

Thesis: *Semantic Analysis of Social Annotations for Web Resource Classification*

CERTIFICATES

- Deep Learning Specialization (2020) – Coursera - Credential ID: SQAPE39Z4UKR
 - Sequence Models - Credential ID: PK5AXCRYPKCM
 - Convolutional Neural Networks - Credential ID: ASNMZ9NVPJLF
 - Structuring Machine Learning Projects - Credential ID: GA7MEJUTZH3Y
 - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Credential ID: 9NCTHKJ3PSMM
 - Neural Networks and Deep Learning - Credential ID: YF7LPAKDTFC9
- Applied AI with Deep Learning by IBM (2018) – Coursera – Credential ID: B8WDTAHHBGAYB
- Python for Everybody Specialization (2016) – Coursera and University of Michigan – Credential ID: CDHGR6QQ79AP
- Python Programming: A Concise Introduction (2016) – Coursera – Credential ID: FGVVRE9GUMMW
- Mining Massive Datasets (2014) – Coursera and Stanford University
- Machine Learning (2014) – Coursera and Stanford University

PROFESSIONAL MEMBERSHIPS

ACM
(Association for Computing Machinery)
IEEE
(Institute of Electrical and Electronics Engineers)

SELECTED PUBLICATIONS

- "An experimental study on feature engineering and learning approaches for aggression detection in social media".
Antonela Tommasel, Juan Manuel Rodriguez, Daniela Godoy. *Inteligencia Artificial*. Iberamia. 2019. DOI: 10.4114/intartif.vol22iss63pp81-100
- "Multi-view Community Detection with Heterogeneous Information from Social Media Data".
Antonela Tommasel, Daniela Godoy. *Neurocomputing*. Elsevier. 2018. DOI: 10.1016/j.neucom.2018.02.023
- "SMArtOp: A Java Library for Distributing High-dimensional Sparse-matrix Arithmetic Operations".
Antonela Tommasel, Daniela Godoy, Alejandro Zunino. *Science of Computer Programming*. Elsevier. 2017. DOI: 10.1016/j.scico.2017.06.005
- "A Social-aware Online Short-text Feature Selection Technique for Social Media".
Antonela Tommasel, Daniela Godoy. *Information Fusion*. Elsevier. 2016. DOI: 10.1016/j.inffus.2017.05.003
- "Learning and Adapting User Criteria for Recommending Followees in Social Networks".
Antonela Tommasel, Daniela Godoy. *Journal of the Association for Information Science and Technology*. Wiley. 2015. DOI: 10.1002/asi.23861
- "Personality-aware followee recommendation algorithms: An empirical analysis".
Antonela Tommasel, Alejandro Corbellini, Daniela Godoy, Silvia Schiaffino. (2016) *Engineering Applications of Artificial Intelligence*. Elsevier. DOI: 10.1016/j.engappai.2016.01.016.
- "Ciudadanos Digitales: explorando el rol de los medios sociales de comunicación en la e-Participación".
Antonela Tommasel, Daniela Godoy, J. Andrés Díaz Pace. (2019) In *Proceedings of the Argentine Symposium on Technology and Society (STS'2019) in the 48th Argentine Meetings on Informatics and Operations Research (JAIIO'2019)*. Salta, Argentina.
- "Friend or Foe: Studying user trustworthiness for friend recommendation in the era of misinformation".
Antonela Tommasel. In *Proceedings of the IEEE Artificial Intelligence and Knowledge Engineering*. (AIKE 2019) Cagliari, Italy. 2019 (Best Paper Award)
- "Towards Anticipation of Architectural Smells using Link Prediction Techniques".
J. Andrés Díaz-Pace, **Antonela Tommasel**, Daniela Godoy
In *Proceedings of the 18th IEEE International Working Conference on Source Code Analysis and Manipulation*. 2018
- "Textual Aggression Detection through Deep Learning".
Antonela Tommasel, Juan Manuel Rodriguez, Daniela Godoy. In *Proceedings of the 1st Workshop on Trolling, Aggression and Cyberbullying at the 27th International Conference on Computational Linguistics*. 2018
- "On the Evaluation of Community Detection Algorithms on Heterogeneous Social Media Data".
Antonela Tommasel, Daniela Godoy. (2018) In *Linking and Mining Heterogeneous and Multi-view Data*". Springer, Cham. DOI: 10.1007/978-3-030-01872-6_12

SELECTED RESEARCH PROJECTS

- "*Online Harm-Aware Recommender System*".
Bilateral cooperation project CONICET – ROYAL SOCIETY 2019. Principal Investigators: Daniela Godoy – Arkaitz Zubiaga
- "*Hate speech is in the eye of the beholder: Exploring bias on hate perception*".
Awarded by Facebook as part of the "Content Policy Research on Social Media Platforms request for proposals". Principal Investigator: Antonela Tommasel
- "*Digital Citizens: The Role of Social Media in e-Participation in Argentina*".
UNICEN University. Code: 03-JOVIN-29C. Principal Investigator: Antonela Tommasel
- "*Faking it! A fake news multi-sourced dataset powered by Social Media*".
Awarded by Facebook as part of the "The Online Safety Benchmark request for proposals". Principal Investigator: Daniela Godoy. Co- Principal Investigator: Antonela Tommasel
- "*Design of Multi-agent based Group Recommender Systems*".
ANPCyT. Code: PICT-2016-2973. Principal Investigator: J. Andrés Díaz Pace
- "*Service Platform Development for Smart-cities Oriented Software*".
CONICET. Principal Investigator: J. Andrés Díaz Pace
- "*SaaS Oriented Hybrid Grids: Middleware and tools for recommendation algorithms support*".
CONICET. Code: 11220120100185CO. Principal Investigator: Alejandro Zunino