

## Francielle Vargas

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[\[google scholar\]](#) [\[dblp\]](#) [\[linkedin\]](#) [\[github\]](#)

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### Education

*PhD, Computer Science and Computational Mathematics*  
University of São Paulo  
Advisor: [Thiago A. S. Pardo](#)  
Co-Advisor: [Fabrício Benevenuto](#)  
August 2019 - August 2023

*MSc, Computer Science and Computational Mathematics*  
University of São Paulo  
Thesis: Semantic clustering of aspects for opinion mining [pdf](#)  
Advisor: [Thiago A. S. Pardo](#)  
August 2015 - November 2017

*BA, Linguistics*  
Federal University of Minas Gerais  
August 2010 - June 2014

*BSc, Information Systems*  
Pontifical Catholic University of Minas Gerais  
August 2006 - December 2009

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### Research Groups

[LOCUS - Social Computing Lab](#), 2021/2023  
Computer Science Department, Federal University of Minas Gerais, Brazil

[NILC - Interinstitutional Center for Computational Linguistics](#), 2015/2023  
Institute of Mathematical and Computer Sciences, University of São Paulo, Brazil

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### Organizing and Program Committee

1. Program Committee  
3rd Workshop on Computational Approaches to Discourse. In *29th International Conference on Computational Linguistics (COLING 2022)*. [see](#)
2. Program Committee  
The 6th Workshop on Online Abuse and Harms. In *The 2022 Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT 2022)*. To appear
3. Program Committee  
5th International Workshop Challenges and Applications of Automated Extraction of Socio-political Events from Text. In *2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2022)*. [see](#)
4. Program Committee  
1st Workshop on Argumentation & Machine Learning. In *9th International Conference on Computational Models of Argument (COMMA 2022)*. [see](#)
5. Program Committee  
22th Workshop on Computational Models of Natural Argument . In *9th International Conference on Computational Models of Argument (COMMA 2022)*. To appear

6. Program Committee  
4th International Workshop Challenges and Applications of Automated Extraction of Socio-political Events from Text. In *59th Annual Meeting of the Association for Computational Linguistics and 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)*. [see](#)
  7. Organizing Committee - Accessibility Chair  
*16th International Conference on Web and Social Media (ICWSM'22)*. [see](#)
  8. Organizing Committee - Diversity, Equity, and Inclusion Chair  
*15th International AAAI Conference on Web and Social Media (ICWSM'21)*. [see](#)
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## Publications

## Journals

**Vargas, F.A.** Benevenuto, F., Pardo, T.A.S (2022). A bilingual discourse-tagging guideline using rhetorical structure theory framework. *Discours Journal*, pp. 1-63. submitted

**Vargas, F.A.**, D'Alessandro, J., Benevenuto, F., Pardo, T.A.S (2022). A Survey on rhetorical approaches for online deception detection. *Dialogue & Discourse*, pp. 1-15. [submitted](#)

**Vargas, F.A.**, Carvalho, I., Góes, F.R., Pardo, T.A.S and Benevenuto, F. (2022). Building an expert annotated corpus for Brazilian hate speech detection. *Natural Language Engineering*, pp. 1-16. [accepted](#)

## Conferences

**Vargas, F.A.**, D'Alessandro, J., Benevenuto, F., Pardo, T.A.S (2022). Building the first bilingual discourse-tagged deceptive corpus. *COLING Workshops 2022*, pp. 1-12. submitted

**Vargas, F.A.**, Carvalho, I., Góes, F.R., Quispe, L., Lamine, D. M., Faria, F., Rabinovich, Z., Pardo, T.A.S, Benevenuto, F. (2022). Multilingual offensive lexicon annotated with contextual information. *LREC 2022*, pp. 1-5. [submitted](#)

Machado, M., Pardo, T.A.S, Ruiz, E. E. S., Di Felippo, A., **Vargas, F.A.** (2022). Implicit aspect clues in Portuguese texts: analysis and categorization. *PROPOR 2022*, pp. 1-10. Fortaleza, Brazil. [see](#)

**Vargas, F.A.** Benevenuto, F. , Pardo, T.A.S (2021). Toward discourse-aware models for multilingual fake news detection. *RANLP 2021 - Student Research Workshop*, pages 210 - 218. Held Online. [see](#)

**Vargas, F.A.**, Góes, F.R., Carvalho, I., Benevenuto, F. and Pardo, T.A.S. (2021). Contextual-lexicon approach for abusive language detection. *RANLP 2021*, pp. 1442-1451. Held Online. [see](#)

Nurse, J. R., **Vargas, F. A.**, Hassan, N, Wang, D., Andriotis, P., Ghenai, A., Jaidka, K., Mustafaraj, E., Joseph, K., Welles, B. F. (2021) Towards a diverse, inclusive, accessible and equitable AAAI international conference on web and social media (ICWSM). *ICWSM'21 Workshops*, pages 1-14. Held Online. [see](#)

**Vargas, F.A.**, Pardo, T.A.S. (2020) Studying dishonest intentions in texts. *ECAI 2020 Workshops*. pp. 1-13. Held Online. [see](#)

**Vargas, F.A.**, Santos, R. R. S and Rocha, P. R. (2020) Identifying fine-grained opinion and classifying polarity on coronavirus pandemic. *BRACIS 2020*, pp. 511-520. Rio Grande, Brazil. [see](#)

**Vargas, F.A.** and Pardo, T.A.S (2020). Linguistic rules for fine-grained opinion extraction. *ICWSM'20 Workshops*, pp. 1-6. Atlanta, United States. [see](#)

**Vargas, F.A.** and Pardo, T.A.S. (2018). Aspect clustering methods for sentiment analysis. *PROPOR 2018*, pp. 365-374. Canela, Brazil. [see](#)

Pardo, T.A.S., Baptista, J., Duran, M.S., Nunes, M.G.V., Nóbrega, F.A.A., Aluísio, S.M., Di Felippo, A., Seno, E.R.M., Silva, R.R., Anchiêta, R.T., Brum, H.B., Dias, M.S., Martins, R.S.O., Maziero, E.G., Souza, J.W.C., **Vargas, F.A.** (2017). The coreference annotation of the CSTNews corpus. In the *Proceedings of the 2nd Workshop on Evaluation of Human Language Technologies for Iberian Languages (IberEval)*, pp. 102-112. September, 19. Murcia/Spain. [see](#)

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## Previous Positions

- Sinch, Sweden, 2022/2023  
Doctoral Researcher. To appear
  - University of São Paulo, São Carlos, Brazil, 2021/2021  
Graduate Teaching Assistant - Neural Networks. To appear
  - University of São Paulo, São Carlos, Brazil, 2020/2020  
Graduate Teaching Assistant - Compilers. [doc](#)
  - University of São Paulo, São Carlos, Brazil, 2019/2021  
Graduate Research Assistant - Dept. of Computer Science. [doc](#)
  - Appen, 2018/2018, Sydney, Australia  
Computational linguist  
Projects: [\[CFG\]](#) [\[NER\]](#) [\[Search Query\]](#) [\[Translation, Categorization, & Connotation\]](#).
  - University of São Paulo, São Carlos, Brazil, 2015/17  
Graduate Research Assistant - Dept. of Computer Science. [doc](#)
  - Unisys Corporation, Nova Lima, Brazil, 2014/15  
System Analyst
  - Federal University of Minas Gerais, 2013/14  
Undergraduate Research Assistant - Dept. of Linguistics. [doc](#)
  - Grupo Barcelos, Belo Horizonte, Brazil, 2009/2011  
System Analyst
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## Hackathon, Datathon and Summer Schools

- The Summer Institutes in Computational Social Science, National University of Singapore (NUS), [Centre for Trusted Internet & Community](#), Singapore, 2022. [To appear](#)
- 2nd Advanced Language Processing School, Université Grenoble Alpes, France, 2022. [certificate](#)
- 1st Datathon and Hackathon competition “Antisemitism on Social Media”, Indiana University Bloomington, [NLP Lab](#), United States, 2020. [certificate](#)

10th Lisbon Machine Learning School, Portugal, 2020. [certificate](#)

4th Brazilian Advanced School in Big Data Analysis, 2020. [certificate](#)

10th Linguistics Summer School, Federal University of Minas Gerais, 2011. [certificate](#)

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<b>Computer Programs</b>	OpCluster-PT : Fine-grained opinion extraction and clustering tool ( <a href="#">code</a> ) ( <a href="#">web version</a> ).
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<b>Languages</b>	Python, SQL, RDF(s), OWL, XML, JSON, Unix/Bash.
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<b>Recommendation Letters</b>	<ul style="list-style-type: none"><li>- Prof. Dr. Carlos Ramisch, <i>Laboratoire d'Informatique et Systèmes – LIS – UMR CNRS 7020 – Aix Marseille Université</i>. <a href="#">[letter]</a></li><li>- Prof. Dr. Thiago A. S. Pardo, <i>Institute of Mathematics and Computer Science, University of São Paulo</i>. <a href="#">[letter]</a></li></ul>
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