

LEONARDO F. R. RIBEIRO

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📍 Seattle, USA

RELEVANT EXPERIENCE

Amazon, Applied Scientist, Oct 2022 - Now 📍 Seattle, US

- Training state-of-the-art large-scale language models (SFT, RLHF). Developing and optimizing automated LLM evaluation workflows.

UKP Lab, TU Darmstadt, Researcher, Nov 2018 - Sep 2022 📍 Darmstadt, Germany

- Research focuses on neural graph methods for natural language generation. Supervised bachelor and master theses. Candidate evaluation for PhD- and PostDoc-level positions.

IT Specialist, Labor Court of Rio de Janeiro, 2015 - 2018 📍 Rio de Janeiro, Brazil

- Engineered main features for the Electronic Judicial Process, a system held all legal proceedings in the court with about 900 million users registered.

IT Specialist, Labor Court of Minas Gerais, 2013 - 2015 📍 Belo Horizonte, Brazil

- Design and implementation of systems for the Federal Justice.

Software Developer, Federal Center for Technological Education, 2009 - 2013 📍 Timóteo, Brazil

- Development and maintenance of various academic-related systems.

EDUCATION

PhD in Computer Science, [Technische Universität Darmstadt](#), Nov. 2018 - June 2022 📍 Darmstadt, Germany

- [Dissertation: Graph-based Approaches to Text Generation.](#)
- Advisor: Iryna Gurevych

MSc in Computer Engineering, [Universidade Federal do Rio de Janeiro](#), 2015 - 2018 📍 Rio de Janeiro, Brazil

- [Thesis: Learning Network Node Representations from Structural Identity.](#)
- Advisor: Daniel Ratton Figueiredo

BSc in Computer Engineering, [Centro Federal Educ. Tec. de MG](#), 2009 - 2014 📍 Timóteo, Brazil

- Silver Medal - Ranked 2nd in my class.

International student, [Universidad del País Vasco](#), 2012-2013 📍 San Sebastian, Spain

- Brazil Scientific Mobility Program – Computer Science, awarded fully-funded fellowship.

SELECTED PUBLICATIONS

- [Generating Summaries with Controllable Readability Levels.](#) Leonardo F. R. Ribeiro, Mohit Bansal, Markus Dreyer. EMNLP 2023.
- [Learning to reason over scene graphs: a case study of finetuning GPT-2 into a robot language model for grounded task planning.](#) Georgia Chalvatzaki, Ali Younes, Daljeet Nandha, An Thai Le, Leonardo F. R. Ribeiro, Iryna Gurevych. 2023 Frontiers in Robotics and AI.

- **FactGraph: Evaluating Factuality in Summarization with Semantic Graph Representations.** Leonardo F. R. Ribeiro, Mengwen Liu, Iryna Gurevych, Markus Dreyer, Mohit Bansal. NAACL 2022.
- **Structural Adapters in Pretrained Language Models for AMR-to-Text Generation.** Leonardo F. R. Ribeiro, Yue Zhang and Iryna Gurevych, EMNLP 2021.
- **Smelting Gold and Silver for Improved Multilingual AMR-to-Text Generation.** Leonardo F. R. Ribeiro, Jonas Pfeiffer, Yue Zhang and Iryna Gurevych, EMNLP 2021.
- **Investigating Pretrained Language Models for Graph-to-Text Generation.** Leonardo F. R. Ribeiro, Martin Schmitt, Hinrich Schütze and Iryna Gurevych. NLP for Conversational AI, EMNLP 2021.
- **Modeling Global and Local Node Contexts for Text Generation from Knowledge Graphs.** Leonardo F. R. Ribeiro, Yue Zhang, Claire Gardent and Iryna Gurevych. Transactions of the Association for Computational Linguistics (TACL), 2020.
- **Enhancing AMR-to-Text Generation with Dual Graph Representations.** Leonardo F. R. Ribeiro, Claire Gardent and Iryna Gurevych. 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP).
- **Ranking Generated Summaries by Correctness: An Interesting but Challenging Application for Natural Language Inference.** Tobias Falke, Leonardo F. R. Ribeiro, Prasetya Utama, Ido Dagan and Iryna Gurevych. 57th Annual Meeting of the Association for Computational Linguistics (ACL), 2019.
- **struc2vec: Learning Node Representations from Structural Identity.** Leonardo F. R. Ribeiro, Pedro H. P. Saverese, Daniel R. Figueiredo. ACM SIGKDD 2017.
- **Ranking lawyers using a social network induced by legal cases.** Leonardo F. R. Ribeiro, Daniel R. Figueiredo. Journal of the Brazilian Computer Society, 23(6) 2017.
- Complete list on:
https://scholar.google.com.br/citations?user=92j4_4wAAAAJ

ACADEMIC SERVICE

- **Tutorial Chair** - The 62nd Annual Meeting of the Association for Computational Linguistics (ACL 2024).
- **Area Chair** - ACL Rolling Review: EACL 2024, NAACL 2024, ACL 2024, COLING 2022. Tracks: Summarization, Generation, Machine Learning for NLP.
- **Program Committee / Reviewer** for 100+ total papers in ARR, EMNLP '20-23; ACL '21'23; NAACL'21; AAAI '21-'24; EACL '23 and several workshops in ACL, EACL, NAACL, EMNLP, AAAI and JMLR journal.

AWARDS & FELLOWSHIPS

- 2019 - **Honorable Mention** on the DATAH Master Dissertation Artificial Intelligence Contest in Brazil
- 2018 - **Best Master's Thesis Award.** 11th Thesis and Dissertation on Artificial and Computational Intelligence Contest in Brazil
- 2012-2013 - **Science Without Borders scholarship** from the Brazilian government to study one year at the Universidad del País Vasco, Spain
- 2016 - **Honorable Mention** for paper in Brazilian Workshop on Social Network Analysis and Mining(BraSNAM)
- 2014 - **Silver Medal** in graduating class for Computer Engineering
- 2008 - **Gold Medal** in graduating class for Technical Degree of Informatics

SKILLS

Languages: Portuguese (native), English (fluent), Spanish (intermediate), German (basic)