Gisela Vallejo

PhD Candidate in Natural Language Processing,
interested in Automatic News Analysis, Framing, Media Bias, and Fairness

Contact

linkedin.com/in/giselavallejo

Education

University of Melbourne
Ph.D. candidate
Topic: Framing Bias in News Articles
Aug 2021- expected April 2025
Melbourne, Australia

University of Stuttgart
M.Sc., Computational Linguistics (with distinction)
Apr 2016- Dec 2017
Stuttgart, Germany

University of Stuttgart
B.Sc., Natural Language Processing
Oct 2010 - Apr 2016
Stuttgart, Germany

University of Quindío
Dipl., Modern Languages
Jan 2003 - Dec 2008
Armenia, Colombia

Skills & Interests

Programming
Python, Java, SQL, Shell (fluent)

Software Tools & Frameworks
HuggingFace, IntelliJ, Eclipse, GIT, scikit-learn, PyTorch, Docker, Keras, Jupyter Notebooks, spacy

Interests
Framing, Media Bias, Fairness, News Analysis

Languages
Spanish (native)
English, German (fluent)
French, Italian, Portuguese (basic)

Service
Jul 2023, Co-organizer at the Student Research Workshop at ACL 2023 (ACL-SRW 2023)

Jul 2019, Tutor at the Lisbon Machine Learning School (LxMLS 2019) Best tutor award

Jun 2018, Tutor at the Lisbon Machine Learning School (LxMLS 2018)

Work Experience

UKP Lab TU Darmstadt | Natural language processing researcher
Jan 2019 - Feb 2021 | Darmstadt, Germany
- Exploring new deep neural network architectures for fact checking
- Evaluating and analyzing obtained models on existing datasets
- Conducting a crowd-sourcing task for paraphrasing over 16k claims
- Organizing a regular research seminar including guest talks
- Preparing teaching materials and assignments for a course with over 150 students

Novatec Consulting GmbH | Machine learning consultant
Apr 2018 - Dec 2018 | Echterdingen, Germany
- Supervised three master and bachelor thesis students
- Participated as lecturer at machine learning events, e.g. summer schools, seminars and workshops with more than 12 attendees
- Developed deep learning based prototypes as solutions for several customers

Daimler AG | User experience intern
Jun 2016 - Dec 2017 | Böblingen, Germany
- Analyzed user study data to specify new features in the In-Car dialog system
- Automated data annotation processes in Python
- Tested In-Car dialog systems' performance
- Designed and conducted user studies

Sony GmbH | Software engineer intern (graduation project)
Oct 2015 - Apr 2016 | Stuttgart, Germany
- Analyzed a machine learning-based converter for dependencies into phrase structures
- Designed and executed the converter's evaluation
- Maintained the project documentation

Mercedes-Benz Research & Development North America Inc. | User interaction intern
Sep 2013 - Sep 2014 | Sunnyvale, California, USA
- Developed a system in Python used to migrate data from Excel to XML
- Drafted, reviewed and updated user flow specification documents
- Designed and pitched the idea of an activity-finding app to the company's senior managers as part of a business incubator program.

Publications

AMBIFC: Fact-Checking Ambiguous Claims with Evidence, Max Glockner, Ieva Staliūnaitė, James Thorne, Gisela Vallejo, Andreas Vlachos, Iryna Gurevych. (TACL), 2023. (presented at EMNLP 2023)

Evaluating the Examiner: The Perils of Pearson Correlation for Validating Text Similarity Metrics, Gisela Vallejo, Timothy Baldwin, Lea Frermann. (ALTA), 2022.

An Annotation Protocol for Collecting User-Generated Counter-Arguments using Crowdsourcing, Paul Reisert, Gisela Vallejo, Naoya Inoue, Iryna Gurevych, and Kentaro Inui, (AIED), 2019.

Context-aware Neural-based Dialog Act Classification on Automatically Generated Transcriptions, Daniel Ortega, Chia-Yu Li, Gisela Vallejo, Pavel Denisov, Thang Vu,(ICASSP), 2019.