

HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

Last update: June, 2024

General

Personal Information

Email

hye-won.jang@uni-konstanz.de

Website

<https://hyewon-jang-kn.github.io>

Github

<https://github.com/copsyn>

Research Interests

General

Computational linguistics, artificial intelligence, experimental linguistics, psycholinguistics, pragmatics

Specific

Sarcasm, humor, impoliteness, implicit meaning, contextual information, multimodality, feature analysis

Education

Current

University of Konstanz

PhD in Computational Psycholinguistics

Advisors: Junior Prof. Dr. Diego Frassinelli, Prof. Dr. Bettina Braun

08/2021

University of Konstanz

MA in Speech and Language Processing

Sehr gut mit Auszeichnung (very good with distinction)

02/2017

Seoul National University

BA in English Education

(Minor in Hispanic Language and Literature)

Cum laude

Publications

Peer-Reviewed Publications

- To appear* [\[LINK\]](#) **Context vs. Human Disagreement in Sarcasm Detection**
Hyewon Jang, Moritz Jakob & Diego Frassinelli
Proceedings of the 4th Workshop on Figurative Language Processing (Figlang)
@ NAACL 2024, Association for Computational Linguistics.
- To appear* [\[LINK\]](#) **Generalizable sarcasm detection is just around the corner, of course!**
Hyewon Jang & Diego Frassinelli
Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL 2024).
- under review* **Contextual factors that trigger sarcasm**
Hyewon Jang, Bettina Braun & Diego Frassinelli
Metaphor and Symbol.
- 2023 [\[LINK\]](#) **Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans**
Hyewon Jang[†], Qi Yu[†], & Diego Frassinelli
Findings of the Association for Computational Linguistics: ACL 2023 (ACL Findings).
[Presented at The 12th Joint Conference on Lexical and Computational Semantics (*SEM 2023).]
- 2023 [\[LINK\]](#) **Intended and Perceived Sarcasm Between Close Friends: What Triggers Sarcasm and What Gets Conveyed?**
Hyewon Jang, Bettina Braun & Diego Frassinelli
Proceedings of the 45th Annual Conference of the Cognitive Science Society (CogSci 2023).

Other Publications

- 2022 [\[LINK\]](#) **Lexicon-Based Profiling of Irony and Stereotype Spreaders**
Hyewon Jang
Conference and Labs of the Evaluation Forum (CLEF), September 5–8, 2022, Bologna, Italy.
- 2022 [\[LINK\]](#) **Capturing Changes in Mood Over Time in Longitudinal Data Using Ensemble Methodologies**

Ana-Maria Bucur, **Hyewon Jang** & Farhana Ferdousi Liza
Workshop on Computational Linguistics and Clinical Psychology @ North American Association for Computational Linguistics (NAACL), July 10-15, 2022, Seattle, USA (online).

Presentations

Peer-Reviewed by Abstracts

- 09/2024 **Detecting sarcasm using LLMs when sarcasm is way too broad**
Hyewon Jang & Diego Frassinelli
Architectures and Mechanisms for Language Processing (AMLaP 30), Edinburgh, Scotland.
- 06/2024 **A type of sarcasm that current theories fail to explain – evidence from sarcasm**
Hyewon Jang
Experiments in Linguistic Meaning 3 (ELM 3), University of Pennsylvania, Philadelphia, USA (online).
- 09/2023 **What predicts the use of sarcasm?**
Hyewon Jang, Bettina Braun, Diego Frassinelli
7th Figurative Thought and Language Symposium (FTL), Genoa, Italy.
- 09/2023 **What types of situations trigger sarcasm? A language generation study.**
Hyewon Jang, Bettina Braun, Diego Frassinelli
Architectures and Mechanisms for Language Processing (AMLaP 29), San Sebastian, Spain.
- 07/2023 **What triggers sarcasm between close friends and what role does humor play in it?**
Hyewon Jang
International Society of Humor Studies Conference 2023, Boston, USA.
- 06/2023 **Vulgar verbal morphology in colloquial Korean and beyond**
Colin Davis, Hyewon Jang
The 23rd Biennial Meeting of the International Circle of Korean Linguistics (ICKL 2023), Palacký University Olomouc, Czech Republic.

Invited Talks

- 04/2024 **Towards well-rounded sarcasm handling by language models**

Hyewon Jang

Invited talk at MaiNLP Lab @ Ludwig Maximilian University of Munich, Germany.

Work Experience

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|-------------------|---|------------------|
| 10/2020 – 09/2021 | Aon's Assessment Solution, Aon
<i>Intern at Product Development & Global Analytics</i>
- Interdisciplinary research to improve an AI-based video interview product
- Combination of Natural Language Processing (NLP) methods with psychometric approaches on personality measurement
- Projects: Data quality improvement (feature inspection), Equal Employment Opportunity Commission (EEOC) handling (addressing bias and ethics), data annotation | Hamburg, Germany |
| 05/2017 – 11/2018 | Jeongsang Language School
<i>ESL teacher</i>
- English teaching to students ages 9 -15 | Seoul, Korea |

Teaching

- | | |
|------|---|
| 2024 | Current topics and methodologies in computational linguistics
Main instructor [Co-teaching with Diego Frassinelli]
<i>Average student rating: 5/5.</i>
University of Konstanz |
| 2023 | Corpus Linguistics with Python
Main instructor [Co-teaching with Diego Frassinelli]
<i>Average student rating: 4.1/5.</i>
University of Konstanz |

Awards and Grants

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|------|--|
| 2024 | Travel stipend at FigLang 2024
Stipend for participation at the workshop FigLang 2024 (2,000 USD)
<i>National Science Foundation (NSF)</i> |
| 2022 | Student grant at CLEF 2022
Grant for participation at the conference CLEF 2022 (400 EUR)
<i>Special Interest Group on Information Retrieval (SIGIR)</i> |

2022	The Doctoral Fund Funding for participation in academic events (3,200 EUR) <i>University of Konstanz</i>
2022	VEUK Award 2021 Award for outstanding performance in MA program <i>Alumni association of the University of Konstanz (VEUK e.V)</i>
2021	DAAD Award 2021 (nominated) <i>German Academic Exchange Service (DAAD)</i>

Service

2023 – 2024	Computational Linguistics Reading Group Organizer University of Konstanz
2023 – 2024	Computational Linguistics Lab Lab/website manager - Duties: lab schedule organization, website maintenance University of Konstanz
2022 – 2024	Konstanz Linguistics Conference Co-organizer University of Konstanz
2022 – 2023	Computational Psycholinguistics and Artificial Intelligence Computational linguistics research and discussion group Co-organizer University of Konstanz

Other Education

2023	Seventh Summer School on Statistical Methods for Linguistics and Psychology (SMLP) University of Potsdam, Germany
2022	European Summer School in Logic, Language and Information (ESS-LLI) National University of Ireland, Galway, Ireland

Reviewing

2024	ACL Rolling Review (ARR)
2024	Cognitive Science Society (CogSci)

Skills

Python (all-purpose programming language)

Machine learning, deep learning, multimodal language modeling

Data science, corpus linguistics

Visualization of data (graphs, plots, etc.)

R (programming language for statistical analysis)

Statistical analysis, text data processing, visualization of statistical models and results

FindingFive, Gorilla (experiment set-up tools)

Experiment design, crowdsourcing experiments

HTML (programming language for website creation)

Simple website design

LaTeX (text formatting language for document preparation)

Papers, posters, slides

Languages

Korean	Native
English	Near-native
German	Working knowledge
Spanish	Rusty intermediate