HYEWON JANG

Computational linguist

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👤 Website   G Google Scholar   ⦿ Github

Research Interests

Topics

General
Computational linguistics, artificial intelligence, experimental linguistics, psycholinguistics, discourse, dialogue, pragmatics, cognitive modeling, human communication

Specific
Sarcasm, humor, impoliteness, indirectness, implicit meaning, context, inference, speaker intention, multimodal information

Methodologies

Experiment design, language modeling, statistical analysis, qualitative analysis, quantitative analysis

Education

02/2025	**University of Konstanz**	
	PhD in Computational Linguistics	
	Summa cum laude	
08/2021	**University of Konstanz**	
	MA in Speech and Language Processing	
	Very good with distinction - 1.1/1.0	
02/2017	**Seoul National University**	
	BA in English Education (minor: Hispanic Language and Literature)	
	Cum laude - 3.7/4.3	

PhD dissertation

📓 **Computational Sarcasm Detection Examined Through the Lens of Psycholinguistics**

Employment

Academic

08/2025 –	**University of Gothenburg (CLASP)**	Gothenburg, Sweden
	Postdoctoral researcher	
10/2021 – *current*	**University of Konstanz**	Konstanz, Germany
	Doctoral researcher	

Non-academic

10/2020 – 09/2021   **Aon's Assessment Solution, Aon**   Hamburg, Germany
Intern at Product Development & Global Analytics
- 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, inspection of GDPR regulations

04/2019 - 08/2019   **fTrans**   Seoul, Korea
freelance translator
- English-to-Korean translation of 20+ texts such as contracts, manuals or interview scripts

05/2017 – 11/2018   **Jeongsang Language School**   Seoul, Korea
ESL teacher
- English teaching to students ages 9 -15

Publications

Peer-reviewed publications

Accepted   🗐 **The morphology and syntax of an anti-honorific prefix in Korean**
Colin Davis & **Hyewon Jang**
In The Grammar of Impoliteness. Trends in Linguistics, De Gruyter.

2024   🗐 **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**).*

2024   🗐 **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.*

2023	📄 **Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans**
	Hyewon Jang*, Qi Yu*, & Diego Frassinelli (*equal contribution)
	*Findings of the Association for Computational Linguistics (**ACL Findings 2023**).*
	[Presented at The 12th Joint Conference on Lexical and Computational Semantics (*SEM 2023).]

2023	📄 **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 (working notes)

2022	📄 **Lexicon-Based Profiling of Irony and Stereotype Spreaders**
	Hyewon Jang
	*Conference and Labs of the Evaluation Forum (**CLEF 2022**), 2022, Bologna, Italy.*

2022	📄 **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 (**CLPsych**) @ North American Association for Computational Linguistics (NAACL 2022), Seattle, USA (online).*

In progress

Under review	**The difficult case of divergence between intended and perceived sarcasm: why it happens and how it challenges LLM performance**
	Hyewon Jang & Diego Frassinelli
	*Conference on Computational Natural Language Learning (**CoNLL 2025**)*

Under review	**Contextual factors that trigger sarcasm**
	Hyewon Jang, Bettina Braun & Diego Frassinelli
	Metaphor and Symbol.

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 _sarchasm_**
	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-7**), 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 (**ISHS 2023**), Boston University, 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

| 05/2025 | **Challenges in sarcasm handling by language models and humans** |
| | _Centre for Linguistic Theory and Studies in Probability (CLASP), University of Gothenburg, Sweden._ |

| 11/2024 | **Computational sarcasm detection through the lens of psycholinguistics** |
| | _Department Colloquium, University of Konstanz, Germany._ |

| 04/2024 | **Towards well-rounded sarcasm handling by language models** |
| | _MaiNLP Lab (led by Barbara Plank) @ Ludwig Maximilian University of Munich, Germany._ |

Teaching

2024	**Current topics and methodologies in computational linguistics**
	Main instructor [Co-teaching with Diego Frassinelli]
	Graduate-level seminar
	Average student rating: 5/5.
	University of Konstanz

2023	**Corpus Linguistics with Python**
	Main instructor [Co-teaching with Diego Frassinelli]
	Graduate-level seminar
	Average student rating: 4.1/5.
	University of Konstanz

Awards and Grants

2024	**Travel stipend at FigLang 2024**
	Stipend for participation at the workshop FigLang 2024 (2,000 USD)
	The U.S. National Science Foundation (NSF)

2022	**Student grant at CLEF 2022**
	Grant for participation at the conference CLEF 2022 (400 EUR)
	Special Interest Group on Information Retrieval (SIGIR)

2022	**The Doctoral Fund**
	Funding for participation in academic events (3,200 EUR)
	University of Konstanz

2022	**VEUK Award 2021**
	Award for outstanding performance in MA program
	Alumni association of the University of Konstanz (VEUK e.V)

2021	**DAAD Award 2021** (nominated)
	German Academic Exchange Service (DAAD)

Service

Reviewing

2025	Cognitive Science Society
2024	Cognitive Science Society
	ACL Rolling Review (Feb, Jun, Oct, Dec)
	Language Resources and Evaluation

University Internal

2025 –	**Konstanz Linguistics Conference 2025**
	Co-organizer
	University of Konstanz

2023 – 2024	**Computational Linguistics Reading Group**
	Organizer
	University of Konstanz

2023 – 2024	**Computational Linguistics Lab**

Lab/website manager
Lab schedule organization, website maintenance
University of Konstanz

2022 – 2024   **Konstanz Linguistics Conference 2024**
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 (ESSLLI)**
National University of Ireland, Galway, Ireland

Skills

Python	transformers, pytorch, sklearn, pandas, numpy, spaCy, stanza, regex
R	lme4, lmerTest, ggplot, tidyverse, sjPlot
FindingFive	experiment set-up
Prolific	crowdsourced data collection
HTML	website creation

Languages

Korean	Native
English	Near-native
German	Intermediate passive knowledge
Spanish	Rusty intermediate
Norwegian	Beginner