

# HYEWON JANG

Computational linguist

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 Website  Google Scholar  Github

## Research Interests

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### Topics

#### **General**

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

#### **Specific**

Sarcasm, humor, impoliteness, indirectness, implicit meaning, contextual effect, inference, speaker intention, multimodal information

### Methodologies

Experiment design, large language models, statistical analysis, qualitative analysis, quantitative analysis

## Education

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

## PhD dissertation

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 Computational Sarcasm Detection Examined Through the Lens of Psycholinguistics

## Employment

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### Academic

08/2025 – current	<b>University of Gothenburg (CLASP)</b> <i>Postdoctoral researcher</i>	Gothenburg, Sweden
10/2021 – 07/2025	<b>University of Konstanz</b> <i>Doctoral researcher</i>	Konstanz, Germany

### Non-academic

10/2020 – 09/2021	<b>Aon's Assessment Solution, Aon</b> <i>Intern at Product Development &amp; 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, inspection of GDPR regulations	Hamburg, Germany
04/2019 - 08/2019	<b>fTrans</b> <i>freelance translator</i> • English-to-Korean translation of 20+ texts such as contracts, manuals or interview scripts	Seoul, Korea
05/2017 – 11/2018	<b>Jeongsang Language School</b> <i>ESL teacher</i> • English teaching to students ages 9 -15	Seoul, Korea

## Publications

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### Peer-reviewed publications

To appear	 <b>The morphology and syntax of an anti-honorific prefix in Korean</b> Colin Davis & Hyewon Jang <i>In The Grammar of Impoliteness. Trends in Linguistics, De Gruyter.</i>
2025	 <b>The Difficult Case of Intended and Perceived Sarcasm: a Challenge for Humans and Large Language Models</b> Hyewon Jang & Diego Frassinelli <i>Proceedings of the 16th International Conference on Computational Semantics (IWCS).</i>
2024	 <b>Generalizable sarcasm detection is just around the corner, of course!</b> Hyewon Jang & Diego Frassinelli <i>Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL 2024).</i>

- 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).*

## Presentations

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### 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-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

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- 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

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

## Service

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### Reviewing

Cognitive Science Society (2024, 2025)  
 ACL Rolling Review (Ad-hoc reviewer from 2024)  
 Language Resources and Evaluation (2024)

### University Internal

2025 –	<b>CLASP steering committee</b> Postdoc representative University of Gothenburg
2025 –	<b>Konstanz Linguistics Conference 2025</b> Co-organizer University of Konstanz
2023 – 2024	<b>Computational Linguistics Reading Group</b> Organizer University of Konstanz
2023 – 2024	<b>Computational Linguistics Lab</b> Lab/website manager Lab schedule organization, website maintenance University of Konstanz
2022 – 2024	<b>Konstanz Linguistics Conference 2024</b> Co-organizer University of Konstanz
2022 – 2023	<b>Computational Psycholinguistics and Artificial Intelligence</b> Computational linguistics research and discussion group Co-organizer University of Konstanz

## Other Education

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2023	<b>Seventh Summer School on Statistical Methods for Linguistics and Psychology (SMLP)</b> University of Potsdam, Germany
2022	<b>European Summer School in Logic, Language and Information (ESSLLI)</b>

## Skills

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<b>Python</b>	transformers, pytorch, sklearn, pandas, numpy, spacy, nltk, stanza, regex, matplotlib, seaborn
<b>R</b>	lme4, lmerTest, ggplot, tidyverse, sjplot
<b>FindingFive</b>	experiment set-up
<b>Prolific</b>	crowdsourced data collection
<b>HTML</b>	website creation

## Languages

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<b>Native</b>	Korean
<b>Near-native</b>	English
<b>Basic to intermediate</b>	German, Spanish, Norwegian, Swedish