

Woojin Lee

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EDUCATION

Konkuk University

Mar. 2023 – Aug. 2025

M.S. in Artificial Intelligence Advisor: Prof. Harksoo Kim (NLP Lab)

Konkuk University

Mar. 2017 – Feb. 2023

B.E. in Civil & Environmental Engineering (Smartcity & Software Convergence)

LLM Reasoning, Interpretability, Code Generation, and Autonomous Agents.

RESEARCH

INTERESTS

CONFERENCE

PUBLICATIONS

[1] SolidCoder: Bridging the Mental-Reality Gap in LLM Code Generation through Concrete

Execution

Woojin Lee, Jin-Xia Huang

The 64th Annual Meeting of the Association for Computational Linguistics (ACL 2026 Findings)

[2] Multilingual, Not Multicultural: Uncovering the Cultural Empathy Gap in LLMs

Woojin Lee*, Yujin Sim*, Hongjin Kim, Harksoo Kim (*Equal Contribution)

The 2025 Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics (IJCNLP-AAACL 2025)

[3] Do Large Language Models Have “Emotion Neurons”? Investigating the Existence and Role

Jaewook Lee*, **Woojin Lee***, Oh-wook Kwon, Harksoo Kim (*Equal Contribution)

The 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025 Findings)

[4] Analyzing Key Factors Influencing Emotion Prediction Performance of VLLMs in Conversational Contexts

Jaewook Lee*, Yeajin Jang*, Hongjin Kim, **Woojin Lee**, Harksoo Kim (*Equal Contribution)

The 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP 2024)

[5] LOGIC: LLM-originated Guidance for Internal Cognitive Improvement of Small Language

Models in Stance Detection

Woojin Lee*, Jaewook Lee*, Harksoo Kim (*Equal Contribution)

PeerJ Computer Science (SCIE, IF 3.8, Q1), DOI: 10.7717/peerj-cs.2585

[6] Persona-Identified Chatbot through Small-Scale Modeling and Data Transformation

Bitna Keum, Juoh Sun, **Woojin Lee**, Seongheum Park, Harksoo Kim

Electronics (SCIE, IF 2.9, Q2), DOI: 10.3390/electronics13081409

JOURNAL

PUBLICATIONS

Language Intelligence Lab, ETRI

Jun. 2025 – Present

AI Researcher. Autonomous agent R&D within the semi-supervised language intelligence project; built Luma, an LLM-driven Korean tutoring agent serving web and smart-glasses clients; developed SolidCoder, an execution-grounded code generation agent (first author, ACL 2026).

RESEARCH

EXPERIENCE

Excellence Award, 2022 KU Nationwide Startup Idea Competition

2022

AWARDS &

HONORS

Excellence Award, 2021 KISTI Research Data-AI Analysis & Utilization Competition (AI Div.) 2021