

# Geonwoo Hong

## Curriculum Vitae

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### Education

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- M.S. Ulsan National Institute of Science and Technology *Mar. 2026 - Present*  
*Graduate School of Artificial Intelligence*
- B.S. Kongju National University *Mar. 2022 - Feb. 2026*  
*Department of Software*

### Research Interests

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- Natural Language Processing
- Multimodal Learning

### Research Experiences

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- Interactive Multimodal Machine Learning Lab, Ulsan National Institute of Science and Technology *Nov. 2025 - Present*  
*Advisor: Prof. Taehwan Kim*
- Intelligent Networking and Security Lab, Kongju National University *Dec. 2023 - Nov. 2025*  
*Advisor: Prof. Yonggang Kim*

### Publications and Patents

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#### International Conference

- Geonwoo Hong** and Taehwan Kim,  
"GMoE: Global Mixture of Experts with Logit Propagation",  
*Annual Meeting of the Association for Computational Linguistics (ACL)*,  
San Diego, California, United States, Jul. 2–7, 2026.  
*Oral Presentation*
- Geonwoo Hong**, Gilhan Choi, Gwangun Yu, and Yonggang Kim,  
"Feedback-guided summarization refinement for small language models using ModernBERT",  
*International Conference on Mobile, Military, and Maritime IT Convergence (ICMIC)*,  
Cebu, the Philippines, Aug. 27–30, 2025.  
*Oral Presentation*
- Geonwoo Hong** and Yonggang Kim,  
"Input feature analysis for LSTM-based maximum wave height prediction",  
*International Conference on Mobile, Military, and Maritime IT Convergence (ICMIC)*,  
Kuala Lumpur, Malaysia, Aug. 7–9, 2024.  
*Oral Presentation*

#### Domestic Conference

- Geonwoo Hong** and Yonggang Kim,  
"D<sup>2</sup> Encoder: Disentangled Dual-Stream Morpheme Encoding for Agglutinative Languages",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
Pyeongchang, Korea, Feb. 4–6, 2026.  
*Oral Presentation*
- Geonwoo Hong** and Yonggang Kim,  
"Automated Academic Paper Review System Based on Retrieval Augmented Generation",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
Pyeongchang, Korea, Feb. 4–6, 2026.  
*Poster Presentation*
- Geonwoo Hong** and Yonggang Kim,  
"Self-Correction: Recent Research Trends",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
Pyeongchang, Korea, Feb. 5–7, 2025.  
*Poster Presentation*

4. **Geonwoo Hong**, Gilhan Choi, Gwangun Yu, Nakyeong Lee, and Yonggang Kim,  
 "Permutation Importance-Based Data Feature Analysis for Maximum Wave Height Prediction: A Case Study of Jigudo, Jeju Island",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
 Jeju, Korea, Jun. 19–22, 2024.  
*Poster Presentation*
5. **Geonwoo Hong**, Chanyoung Oh, and Yonggang Kim,  
 "Research on the necessity, application, and trend of meta-learning",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
 Pyeongchang, Korea, Jan. 31–Feb. 2, 2024.  
*Poster Presentation*
6. **Geonwoo Hong**, Minjae Go, Yunkyung Choi, Sojung Yun, and Yonggang Kim,  
 "Enhancing efficiency in socket communications for many-to-one service platforms",  
*The Annual Conference of the Korean Institute of Communications and Information Sciences (KICS)*,  
 Pyeongchang, Korea, Jan. 31–Feb. 2, 2024.  
*Poster Presentation*

#### **Domestic Patents**

1. Yonggang Kim and **Geonwoo Hong**,  
 "STYLE-BASED REVIEW AUTHENTICITY DETECTION APPARATUS AND METHOD",  
 Korea, Application No. 10-2025-0174069, Nov. 17, 2025.

## **Awards and Honors**

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<b>Bronze Award</b>	2025
<i>Capstone Design Competition, Kongju National University</i>	
<b>Academic Scholarship</b>	2022 – 2025
<i>Awarded for outstanding grades over five semesters, Kongju National University</i>	
<b>Excellent Paper Award</b>	2024
<i>ICMIC 2024</i>	