Geonyoung Lee

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Education

B.S. in Biomedical Engineering, College of Health Science	Mar. 2022 – Feb. 2026 (Expected)
Korea University	
B.S. in Mathematics, College of Science (Double Major)	Mar. 2022 – Feb. 2026 (Expected)
Korea University	

Research Experience

KAIRI (KAIST AI Research Internship)	Jul. 2025 – Aug. 2025
Undergraduate Research Intern	Advisor: Prof. Jinwoo Shin
MIIL (Multimodal Interactive Intelligence Laboratory)	Jul. 2024 – Jun. 2025
Undergraduate Research Intern	Advisor: Prof. Paul Hongsuck Seo

Publications

(P: Preprint, C: Conference, W: Workshop, *: Equal contribution)

- **[C1]** DGMO: Training-Free Audio Source Separation through Diffusion-Guided Mask Optimization
  Geonyoung Lee*, Geonhee Han*, Paul Hongsuck Seo
  Conference of the International Speech Communication Association (**Interspeech**), 2025

Academic Activities

KUBIG AI Society, Korea University	Jul. 2024 – Jul. 2025
Generative Models & CV Track Member	Advisor: Prof. Sungbin Lim
BEAT Society, Korea University	Mar. 2023 – Jul. 2023
AI Track Member	
B.I.O Union Society, Yonsei × Korea University	Sep. 2022 – Dec. 2022
Administrator	

Research Interests

- Probabilistic Generative Models (e.g., Diffusion Models)
- Multimodal Representation Learning (Text-Audio-Visual Alignment)
- Reinforcement Learning for Robotics