

Geonyoung Lee

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Education

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

Research Experience

MIIL (Multimodal Interactive Intelligence Laboratory) <i>Undergraduate Research Intern</i>	Jul. 2024 – Jun. 2025 Advisor: Prof. Paul Hongsuck Seo
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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 <i>Generative Models & CV Track Member</i>	Jun. 2024 – Jul. 2025 (Expected) Advisor: Prof. Sungbin Lim
BEAT Society , Korea University <i>AI Track Member</i>	Mar. 2023 – Jul. 2023
B.I.O Union Society , Yonsei × Korea University <i>Administrator</i>	Sep. 2022 – Dec. 2022

Research Interests

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