

Gyehun Go

☎ (+82) 10-2094-8708

✉ rotation@kaist.ac.kr

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in Gyehun Go

Education

KAIST, M.S. in Graduate School of Culture Technology

Sep. 2025 - Present

- Advisor: Juhan Nam

Seoul National University, B.S. in Computer Science and Engineering

Mar. 2021 - Aug. 2025

- Double Major in *Statistics*
- GPA: 3.90/4.3

Publications

Almoclips: A Benchmark for Evaluating Emotion Conveyance in Text-to-Music Generation

Aug. 2025

Gyehun Go, Satbyul Han, Ahyeon Choi, Eunjin Choi, Juhan Nam and Jeong Mi Park
HCMIR25: 3rd Workshop on Human-Centric Music Information Research at ISMIR'25

Decomposing Complex Visual Comprehension into Atomic Visual Skills for Vision Language Models

Oct. 2024

Hyunsik Chae, Seungwoo Yoon, Chloe Yewon Chun, **Gyehun Go**, Yongin Cho, Gyeongmin Lee and Ernest K. Ryu

4th MATH-AI Workshop at NeurIPS'24 [🔗](#)

Research Experience

Music and Audio Computing Lab, KAIST

Mar. 2025 - Aug. 2025

Research Intern

Advisor: Eunjin Choi, Prof. Juhan Nam

- Developed Almoclips, a comprehensive benchmark for evaluating how well text-to-music (TTM) generation systems convey intended emotions to human listeners. The benchmark offers valuable insights into model-specific emotion rendering characteristics and supports future development of emotionally aligned TTM systems.

Department of Mathematics, UCLA

Jun. 2024 - Jan. 2025

Research Intern

Advisor: Hyunsik Chae, Prof. Ernest K. Ryu

- Developed AVSBench, a benchmark for evaluating visual understanding ability of visual language models (VLMs) by decomposing it into atomic visual skills. Found that VLMs struggle with most of these atomic visual skills that are obvious to humans.

Music and Audio Research Group, Seoul National University

Jul. 2023 - Aug. 2023

Research Intern

Prof. Kyogu Lee

- Implemented and tested a Transformer-based music generation framework conditioned on a small, thematic musical piece

Human-Computer Interaction Lab, Seoul National University

Jan. 2023 - Jun. 2023

UROP(Undergraduate Research Opportunities Program) Student

Advisor: Hyeon Jeon, Prof. Jinwook Seo

- Evaluated scalability of a novel dimension reduction algorithm for data visualization
- Participated in paper writing

International Research Institute for Cyber Security

Jul. 2022 - Sep. 2022

Research Intern

- Evaluated a novel lattice-based signature scheme submitted to the Korean Post-Quantum Competition

Additional Experience

AttentionX, an AI Research & Startup Group

Jan. 2024 - Jun. 2024

3rd term member

- A member of a research team studying the evaluation of ambiguity resolution ability in large language models (LLMs), cooperating with Language & Knowledge Lab, KAIST
- Leader of a research team studying music editing methods using generative models

Honors and Awards

Seoul National University Semiconductor Specialization School Semiconductor Track Program

Oct. 2023 - Aug. 2025

- Supported by Korea Institute for Advancement of Technology(KIAT) grant funded by the Korea Government(Ministry of Education)
- Scholarship provided at selection and graduation

Best Poster Award

Feb. 2025

- Korean Society for Music Perception and Cognition(KSMPC) 2025
- Title: Can Emotion Concepts be Reflected Well in Text-to-Music Generation Models?

Hanseong Nobel Scholarship

Mar. 2019 - Feb. 2021

- Funded by Hanseong Sonjaehan Scholarship Foundation
- Scholarship for high school students prospective in mathematics and science

Skills

Programming Languages: Python, C, C++, Java, R

Deep Learning: PyTorch, Tensorflow

Languages: Korean(native), English(fluent), Japanese(basic)