

Hayeon Bang

hayeonbang@kaist.ac.kr
website | github | linkedin

Researcher, Composer

Research interest: Multimodal Music Representation Learning, Music Understanding

EDUCATION

Korea Advanced Institute of Science and Technology Ph.D. student in Graduate School of Culture Technology Music and Audio Computing (MAC) Lab Advisor: Prof. Juhan Nam	Feb 2025 - present
Korea Advanced Institute of Science and Technology M.S. in Graduate School of Culture Technology Music and Audio Computing (MAC) Lab Advisor: Prof. Juhan Nam	Mar 2022 - Feb 2025
Yonsei University Bachelor's Degree in Music Composition	Feb 2016 - Feb 2021

PUBLICATIONS

- Dialogue in Resonance: an Interactive Music Piece for the Piano and Real-time Automatic Transcription**
Hayeon Bang, Taegyun Kwon and Juhan Nam
Proceedings of the International Computer Music Conference (ICMC), 2025
- PIAST: A Multimodal Piano Dataset with Audio, Symbolic and Text**
Hayeon Bang, Eunjin Choi, Megan Finch, Seungheon Doh, Seolhee Lee, Gyeong-hoon Lee and Juhan Nam
Proceedings of the 3rd Workshop on NLP for Music and Audio (NLP4MusA), 2024

PROJECTS

- X-Space: Duo Performance for Piano AI Piano** | KAIST X Daejeon Arts Center [\[link\]](#)
Composer, Music Director
- EasyJam: AI-based Jam Program for Developmental Disabilities** | Selected for the 2024 Gyeonggi-do Integrated Support Program for Artists with Disabilities, with Mirae-therapy center
Program Developer
- Four Seasons 2050 - Daejeon** [\[link\]](#)
Project leader, Composer

AWARDS & HONORS

- Seong-bu Kim Creativity Award (2025)** | KAIST
- High Honor Awards: Academic Achievement for highest grade students, Academic Achievement for high grade students (2020, 2021)** | Yonsei University
- Scholarship for Human Resource Development (2021)** | Mapo-gu
- Scholarship for Exchange Program (2019)** | Mirae Asset Park Hyeon Joo Foundation
Representative awardee

MUSICAL EXPERIENCE

Singer, Piano Arranger at Sumi Jo Talk Concert, KAIST (2024)

Choral Conductor in Woncheon Church 1st Choir (2021 -)

Actress, Music Director, President in Yonsei University Musical Club ROTHEMS (2016 - 2020)

Orchestra Conducting Education, Sejong Orchestra Conductor Course (2018)

Musical Theater Education, Chungmu Art Center Musical Theater Academy (2018)

TEACHING EXPERIENCE

Teaching Assistant | Cognitive Science of Music , KAIST (2025)

Instructor | Sonic Visualizer for Music Composers, Yonsei University (2023)

Instructor | Understanding of Music AI, Dangjin Youth Center (2022)

Teaching Assistant | Sound Technology for Multimedia, KAIST (2022)

Instructor | Music Composition, Music Theory, Ear Training, Piano (2017 - 2024)