

Hayeon Jeong

✉ hayeon.jeong@yonsei.ac.kr 🌐 [hayeonjeong.github.io](https://github.com/hayeonjeong) 🔗 [linkedin.com/in/hayeonjeong0727](https://www.linkedin.com/in/hayeonjeong0727)

Education

Yonsei University

Mar. 2025 – Feb. 2027 (Expected)

Master of Science

- School of Integrated Technology
- GPA: 4.0 / 4.0

University of California, Berkeley

Jan. 2023 – May 2023

Visiting Undergraduate Student

Soongsil University

Mar. 2020 – Feb. 2025

Bachelor of Science

- School of Electronic and Information Engineering
- GPA: 4.1 / 4.5 (Magna Cum Laude)

Research Experience

Multimedia Computing & Machine Learning (MCML) Group

Mar. 2025 – Present

Yonsei University, M.S. Student

AI Safety Center

Jun. 2023 – Aug. 2024

Soongsil University, Undergraduate Research Intern

Publications

- **Hayeon Jeong** and Jong-Seok Lee, “[Dominating vs. Dominated: Generative Collapse in Diffusion Models](#),” *arXiv preprint*, 2025.
- Sohee Park, **Hayeon Jeong**, and Daeseon Choi, “[Infrared Thermal-Guided Adversarial Patch Defense for Robust Visible Person Detectors](#),” In *Proc. IEEE AVSS 2025*.

Projects

- **Phonetic-Aware Encoder Tuning for L2 Korean ASR**. Designed a robust ASR framework mitigating phonetic disruption in non-native Korean speech via LoRA-adapted Whisper encoder and auxiliary CTC-based phonetic supervision. ([Project page](#))

Honors & Awards

- Best Paper Award (KISA President), 2024, KIISC Chungcheong Chapter Conference
- Professor’s Scholarship (Half Tuition), 2024, Soongsil University.
- Verity Award – Professor’s Scholarship (Quarter Tuition), 2024, Soongsil University.
- Academic Achievement Scholarship (Quarter Tuition), 2021, Soongsil University.

Other Experience

- Data labeling assistant for OCR processing service optimization (mathematical equations).
- KT Mentoring Program Mentor – Developed 6-month Math/English curriculum.
- Baird Volunteer Corps Member, Soongsil University.