

# Hayeon Jeong

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## Education

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### Yonsei University

*Master of Science*

- School of Integrated Technology
- GPA: 4.0 / 4.0

*Mar. 2025 – Feb. 2027 (Expected)*

### University of California, Berkeley

*Visiting Undergraduate Student*

*Jan. 2023 – May 2023*

### Soongsil University

*Bachelor of Science*

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

*Mar. 2020 – Feb. 2025*

## Research Experience

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### Multimedia Computing & Machine Learning (MCML) Group

*Yonsei University, M.S. Student*

*Mar. 2025 – Present*

### AI Safety Center

*Soongsil University, Undergraduate Research Intern*

*Jun. 2023 – Aug. 2024*

## Publications

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- 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

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- **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

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- 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

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- 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.