

Jungwoo Kim

<https://kjungwoo03.github.io/>

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RESEARCH INTEREST

My primary research goal is to understand how deep learning models work and to utilize them in various research areas, especially in computer vision. My primary research interest just lies in various topics about machine learning and computer vision, covering my goal.

EDUCATION

- **Yonsei University** Seoul, Republic of Korea
M.S./Ph.D student in School of Integrated Technology *Mar. 2025 – Present*
- **Yonsei University*** Seoul, Republic of Korea
B.S. in School of Integrated Technology (GPA: 3.95/4.30) *Mar. 2022 – Feb. 2025*

* One year early graduation.

PUBLICATIONS

- [C2] **Exploring Cross-Stage Adversarial Transferability in Class-Incremental Continual Learning** [\[Paper\]](#)
Jungwoo Kim, Jong-Seok Lee, *The 27th IEEE International Workshop on Multimedia Signal Processing*
- [C1] **HAE-RAE Bench: Evaluation of Korean Knowledge in Language Models** [\[Paper\]](#)
Gyujin Son, Hanwool Lee, Suwan Kim, Huiseo Kim, Jaecheol Lee, Je Won Yeom, Jihyu Jung, Jungwoo Kim, Songseong Kim, *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation*

RESEARCH EXPERIENCES

- **Multimedia Computing and Machine Learning Group, Yonsei University** Seoul, South Korea
M.S./Ph.D Student (Advisor: Jong-Seok Lee) *Jan.2025 - Current*
- **Multimedia Computing and Machine Learning Group, Yonsei University** Seoul, South Korea
Undergraduate Intern (Advisor: Jong-Seok Lee) *Dec.2023 - Dec.2024*
 - Topic: Adversarial Robustness under Class-Incremental Continual Learning
- **Intelligent Unmanned Systems Lab., Yonsei University** Seoul, South Korea
Undergraduate Intern (Advisor: Jiwon Seo) *Sep.2022 - Jun.2023*
 - Topic: Reinforcement Learning-based GPS Error Correction
- **Medical Imaging Systems Lab, Yonsei University** Seoul, South Korea
Undergraduate Intern (Advisor: Jongduk Baek) *Jul.2022 - Aug.2022*
 - Topic: Medical Image Super Resolution via U-Net Architecture

TEAM PROJECTS

- **Monocular Dog Body Length Estimation****
Topic: Advancing 3D dog body length estimation via depth estimation model *Sep. 2024 – Dec. 2024*
 - Role: Leading Researcher
 - Partner: PetNow, Yonsei Data Science Lab (*advised by Prof. Taeyoung Park*)
- **Audio Sentiment Classification****
Topic: Enhancing real world emotional classification based on Frequency Decomposition *May. 2024 – Jul. 2024*
 - Role: Co-Leading Researcher
 - Partner: WeSomE
- **InferPrompt: Paraphrasing Text Prompt via Prompt Inversion****
Topic: Enhancing image-text alignment via text style transfer from prompt inversion *Feb. 2024 – May. 2024*
 - Role: Leading Researcher

** Projects that serve as a leading researcher.

PROGRAMMING SKILLS

- **Languages** - Python (Expert), C (Advanced), C++ (Intermediate)
- **Frameworks:** React (Beginner)
- **Others:** Matlab (Intermediate)

HONORS AND AWARDS

- **Certification, 4th LG Aimers/Data Intelligence**
Topic: Developing a B2B sales opportunity prediction model based on MQL data. *Feb. 2024*
- **Excellence Award, 2023 Yonsei Medical Convergence Challenge**
Topic: Developing ResNet-based lightweight network on wearable device for diagnosing. *Jan. 2023*

EXTRACURRICULAR ACTIVITIES

- **Yonsei Data Science Lab**
11th Regular Member, Head of Academic Team *Dec. 2023 - Dec. 2024*
- **ElutherAI**
Project Member *Sep. 2023 - Nov. 2023*
- **Yonsei Computer Club**
Regular Member *Sep. 2022 - Aug. 2025*
- **Yonsei Engineering Student Council**
Executive Member *Apr. 2022 - Nov. 2023*