

**Jungwoo Kim**  
https://kjungwoo03.github.io/

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## RESEARCH INTEREST

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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

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- **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

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- **[C3] Coarse-to-Fine: Progressive Image Compression for Semantically Hierarchical Classification**  
**Jungwoo Kim**, Jun-Hyuk Kim, Jong-Seok Lee, *2026 IEEE International Conference on Image Processing, 2026.*
- **[P1] Progressive Learned Image Compression for Machine Perception** [\[Paper\]](#)  
**Jungwoo Kim**, Jun-Hyuk Kim, Jong-Seok Lee, *Preprint, 2025.*
- **[C2] Exploring Cross-Stage Adversarial Transferability in Class-Incremental Continual Learning** [\[Paper\]](#) [\[DOI\]](#) [\[Github\]](#)  
**Jungwoo Kim**, Jong-Seok Lee, *The 27th IEEE International Workshop on Multimedia Signal Processing, 2025.*
- **[C1] HAE-RAE Bench: Evaluation of Korean Knowledge in Language Models** [\[Paper\]](#) [\[DOI\]](#) [\[Github\]](#)  
Gyujin Son, Hanwool Lee, Suwan Kim, Huiseo Kim, Jaechol Lee, Je Won Yeom, Jihyu Jung, **Jungwoo Kim**, Songseong Kim, *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation, 2024.*

\* Equal contribution.

## RESEARCH EXPERIENCES

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- **Music AI Assemble People Lab, Modulabs** Seoul, South Korea  
*Senior Researcher* *Jan.2026 - Current*
- **Multimedia Computing and Machine Learning Group, Yonsei University** Seoul, South Korea  
*M.S./Ph.D Student (Advisor: Jong-Seok Lee)* *Mar.2025 - Current*
- **Multimedia Computing and Machine Learning Group, Yonsei University** Seoul, South Korea  
*Undergraduate Intern (Advisor: Jong-Seok Lee)* *Dec.2023 - Feb.2025*
  - 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

## ACADEMIC SERVICES

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- **Reviewer:**
  - *IEEE Transactions on Multimedia (TMM) 2026*
  - *IEEE International Conference on Image Processing (ICIP) 2026*
  - *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2026*

## PROGRAMMING SKILLS

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

## HONORS AND AWARDS

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- **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

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- **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*