Hyeongcheol Park

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Education

Korea University — Seoul, Korea
Ph.D, Department of Artificial Intelligence (Adviser: Prof. Sangpil Kim) — Mar. 2024 – Present
- Cumulative GPA: 4.25/4.5

Sangmyung University — Seoul, Korea
Bachelor of Science, Department of Converged Electronic Engineering — Mar. 2017 – Feb. 2024
Bachelor of Science, Department of Human-Centered Artificial Intelligence — Sep. 2022 – Feb. 2024
- Cumulative GPA: 3.55/4.5

Research Interests

- **LLM Continual Learning**: Developing domain-adapted large language models through continual pretraining and instruction tuning, with a focus on defense-domain corpus construction, scalable data filtering, and reliable benchmark evaluation.
- **Multimodal Retrieval-Augmented Generation**: Building knowledge-grounded multimodal generation systems that integrate multimodal knowledge graphs, cross-modal retrieval, and multi-hop reasoning to improve factuality and reasoning over vision, audio, and language inputs.
- **3D Scene Understanding & Gaussian Splatting**: Developing methods for 3D scene representation, instance segmentation, editing, compression, and watermarking with 3D Gaussian Splatting.

Experience

Computer Vision Lab @ Korea University — Seoul, Korea
Ph.D Student Researcher (Adviser: Prof. Sangpil Kim) — Mar. 2024 – Present

Complexion — Seoul, Korea
Research Intern — Sep. 2023 – Nov. 2023

Computer Vision Lab @ Korea University — Seoul, Korea
Undergraduate Research Intern — May. 2023 – Feb. 2024

Creative Contents Lab @ Sangmyung University — Seoul, Korea
Undergraduate Research Intern — Dec. 2021 – Apr. 2024

Republic of Korea Army — Korea
Sergeant, Transportation Corps (Honorably Discharged) — Jul. 2019 – Jan. 2021

Publications & Patents

- **Hyeongcheol Park**, Sumin In, Suyeon Myeong, Hogun Park, Sangmin Kim, Moonhyun Lee, Daekyeong Park, Sangpil Kim "SALUTE: Benchmarking and Adapting LLMs for the Defense Domain", under review, 2026.
  Collaboration: Sungkyunkwan University, Hanhwa Systems
- **Hyeongcheol Park**, Jiyoung Seo, Jaewon Mun, Hogun Park, Wonmin Byeon, Sung June Kim, Hyeonsoo Im, JeungSub Lee, Sangpil Kim, "M^{3}KG-RAG: Multi-hop Multimodal Knowledge Graph-enhanced Retrieval-Augmented Generation", Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2026.
  Collaboration: NVIDIA Research, Hanhwa Systems, Sungkyunkwan University
- **Hyeongcheol Park**, MinHyuk Jang, Ha Dam Baek, Gyusam Chang, Jiyoung Seo, Jiwan Park, Hogun Park, Sangpil Kim, "VAT-KG: Knowledge-Intensive Multimodal Knowledge Graph for Retrieval-Augmented Generation", under review, 2025.
  Collaboration: Sungkyunkwan University, Hanhwa Systems
- Sumin In, Youngdong Jang, Utae Jeong, MinHyuk Jang, **Hyeongcheol Park**, Eunbyung Park, Sangpil Kim, "CompMarkGS: Robust Watermarking for Compressed 3D Gaussian Splatting", International Conference on Learning Representations (ICLR), 2026.
  Collaboration: Yonsei University

- Dong In Lee, **Hyeongcheol Park**, Jiyoung Seo, Eunbyung Park, Hyunje Park, Ha Dam Baek, Sangheon Shin, Sangmin Kim, Sangpil Kim, "EditSplat: Multi-View Fusion and Attention-Guided Optimization for View-Consistent 3D Scene Editing with 3D Gaussian Splatting", Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2025.
  Collaboration: Yonsei University, Hanhwa Systems

- Wonseok Roh, Hwanhee Jung, Giljoo Nam, Dong In Lee, **Hyeongcheol Park**, Sang Ho Yoon, Jungseock Joo, Sangpil Kim, "Insightful Instance Features for 3D Instance Segmentation", Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2025.
  Collaboration: Meta, KAIST, UCLA

- Seung Hyun Lee, Sieun Kim, Wonmin Byeon, Gyeongrok Oh, Sumin In, **Hyeongcheol Park**, Sang Ho Yoon, Sung-Hee Hong, Jinkyu Kim, Sangpil Kim "Audio-guided implicit neural representation for local image stylization", Computational Visual Metia (JCR 10%), 2024.
  Collaboration: NVIDIA Research, KAIST, KETI

- Byoung Soo Koh, **Hyeongcheol Park**, Jin Ho Park "A Survey of Generative Models for Image and Video with Diffusion Model", Humen-centric Computing and Information Sciences (JCR Q2), 2024.
  Collaboration: Korea Creative Content Agency, Dongguk University

- Jongweon Kim, **Hyeongcheol Park** "A Study on the Optimization of the CNNs for Adversarial Attacks", Proceedings of the International Conference on Intelligent Information Technology, 2023.

- **Hyeongcheol Park**, Eunsu Yun, Minjeong Kim, Huijae Bae, Yujin Shin, Jeehang Lee "Developing the Deep Text-to-Ontology Generator based on Neuro-Symbolic Architecture", Proceedings of the Korea Information Processing Society (KIPS) , 2023.

- Sangpil Kim, **Hyeongcheol Park**, "Method and Apparatus for Robust Watermarking Through Selective Anchor Augmenting and Pruning of High-Frequency Regions in Rendering Images Based on 3D Gaussian Splatting", Korean Patent Application No. 10-2025-0119554, August 26, 2025.

- Daesik Jung, **Hyeongcheol Park**, Wooseok Kim, "Event Detenting Method for Unmanned Store", Korean Patent Application No. 10-2022-0116622, September 15, 2022.

Scholarships

- KU Hope Scholarship, Korea University, Korea (June 2025)
- Academic Excellence Scholarship, Sangmyung University, Korea (June 2018, June 2022, Mar / June 2023)
- Leadership Scholarship, Sangmyung University, Korea (June 2021 - June 2023)