Wooseok Seo

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📍 Seoul, Korea

Research Interests

I am interested in pushing the boundaries of *foundational models* through better **evaluation frameworks** or effective **post-training**. I am currently excited about accurately evaluating & mitigating the hallucinations of LLMs, or improving models to generate faithful responses from expert-level knowledge sources (e.g., Search Agents, RAG, AI4Science, etc.) for practical use. I am also interested in defining, generating, and selecting *good* synthetic data for model generalization.

Education

Yonsei University   Seoul, Korea
Ph.D. in Artificial Intelligence   Mar 2025 – Current
Advisor: Prof. Youngjae Yu

Yonsei University   Seoul, Korea
B.S. in Nano Science and Engineering   Mar 2020 – Feb 2025

Publication

[C]: Conference, [P]: Preprint, * denotes equal contribution.

[C2] Verifying the Verifiers: Unveiling Pitfalls and Potentials in Fact Verifiers
<u>Wooseok Seo*</u>, Seungju Han*, Jaehun Jung, Benjamin Newman, Seungwon Lim, Seungbeen Lee, Ximing Lu, Yejin Choi, Youngjae Yu
COLM 2025, Paper, Code

[C1] V.I.P.: Iterative Online Preference Distillation for Efficient Video Diffusion Models
Jisoo Kim, <u>Wooseok Seo</u>, Junwan Kim, Seungho Park, Sooyeon Park, Youngjae Yu
ICCV 2025, Paper

[P1] Layout-and-Retouch: A Dual-stage Framework for Improving Diversity in Personalized Image Generation
<u>Wooseok Seo*</u>, Kangyeol Kim*, Sehyun Nam, Bodam Kim, Suhyeon Jeong, Wonwoo Cho, Jaegul Choo, Youngjae Yu
Preprint, Paper

Experience

MAUM.AI   Seoul, Korea
Research Scientist @ WoRV (World model for Robotics and Vehicle control) Team   *Jan 2024 - May 2024*

Yonsei University, MIR Lab   Seoul, Korea
Undergraduate Research Intern   *Sep 2023 - Feb 2025*
Advisor: Prof. Youngjae Yu

BagelCode   Seoul, Korea
Data Analyst Intern   *Apr 2022 - Oct 2022*

Academic Services

Reviewer

ACL ARR	*2025*
COLM	*2025*