

HYUNSOO KIM M.S.

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EDUCATION	Department of Artificial Intelligence, Korea University <i>M.S. in Artificial Intelligence</i> • Advisor: Prof. Donghyun Kim (co-advised by Suhyun Kim) • Research area: Diffusion Models and AI safety	Seoul, Republic of Korea Sep 2024 - present
	Department of Statistics, Inha University <i>B.S. in Statistics and Software Engineering</i> Two-year break for military service (Jul 2019 — Feb 2021) • GPA: 3.76/4.50, Major GPA: 4.08/4.50	Incheon, Republic of Korea Mar 2018 - Aug 2024
PUBLICATIONS	<ol style="list-style-type: none">Yujin Kim*, Hyunsoo Kim*, Hyunwoo J. Kim, Suhyun Kim. When Model Knowledge meets Diffusion Model: Diffusion-assisted Data-free Image Synthesis with Alignment of Domain and Class. <i>International Conference on Machine Learning (ICML)</i>, 2025.Hyunsoo Kim, Donghyun Kim[†], Suhyun Kim[†]. Difference Inversion: Interpolate and Isolate the Difference with Token Consistency for Image Analogy Generation. <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2025.	
EXPERIENCE	Korea Institute of Science and Technology (KIST) Undergraduate Researcher <i>Advisor: Suhyun Kim</i> • Research on Model Inversion: Data-free image synthesis via optimizing text embedding on a text-to-image diffusion model.	Mar 2024 - Jun 2024
	Medical Image Innovation Lab, Seoul National University Undergraduate Intern <i>Advisor: Wonjin Lee</i> • Research on conditional generation and image inpainting in medical domains using diffusion model.	Dec 2023 - Feb 2024
	Mathematical Intelligence Lab, Inha University Undergraduate Intern <i>Advisor: Yoonsuk Hyun</i> • Studied Visual Language Models such as CLIP, CoCa, Flamingo.	Aug 2022 - Sep 2022
	Artificial Intelligence in Finance Lab, Inha University Undergraduate Intern <i>Advisor: Doguk Kim</i> • Studied the basic concepts of deep learning, with a particular focus on the Transformer model. • Participated in the M6 competition, a stock price prediction competition, and wrote baseline code using GRU.	Feb 2022 - Jul 2022
PROJECTS	Text-to-Emoji Generation with Diffusion Models <i>Naver Connects Foundation</i>	Sep 2022 - Feb 2023

AWARDS
AND
HONORS

- **Kim Eul-Hyung Love of Natural Science Scholarship**, Inha University Feb 2023
- **2nd Prize**, Inha AI Challenge Jul 2022