Seonuk Kim

Undergraduate Researcher in Human-AI Interaction · Comic Artist
Industrial Engineering and Design, UNIST, Ulsan, Korea
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My research focuses on human-centered AI for comics and webtoon creation, particularly creativity support tools (CSTs) that reduce repetitive work while preserving creators' intent, visual style, and creative control.

Education

2020–2028 **Ulsan National Institute of Science and Technology (UNIST)** Ulsan, Korea
B.S. in Industrial Engineering and Design (double major) · GPA 3.86/4.3 (95.6/100)

Publications

* equal contribution

[C2] EMNLP '25 Taebaek Hwang*, Minseo Kim*, Gisang Lee, **Seonuk Kim**, Hyunjun Eun. KRETA: A Benchmark for Korean Reading and Reasoning in Text-Rich VQA Attuned to Diverse Visual Contexts. *EMNLP 2025*, Main Conference, full paper.

[C1] IASDR '23 **Seonuk Kim**, Taeyoung Ko, Yousang Kwon, Kyungho Lee. Designing Interfaces for Text-to-Image Prompt Engineering Using Stable Diffusion Models: A Human-AI Interaction Approach. *IASDR 2023*, full paper.

[P1] UIST '23 Adjunct Yousang Kwon, **Seonuk Kim**, Taeyoung Ko, Juhyeok Yoon, Kyungho Lee. Representing the Timbre of Traditional Musical Instruments Based on Contemporary Instrumental Samples Using DDSP. *UIST 2023 Adjunct*, poster.

[D1–3] HCIK 2023 and 2024, KSDS 2022 (Best Student Paper Honorable Mention); all in Korean.

Research Experience

2026–Present **Human-Data Interaction Lab (HDIL)**, Yonsei University Seoul, Korea
Undergraduate Researcher, iDea Team · Advisor: Prof. Dae Hyun Kim

2026–Present **Epictive Lab**, Center for Digital Humanities, UNIST Ulsan, Korea
Undergraduate Research Assistant · Advisor: Prof. Jae-Yon Lee

2024–2025 **AttentionX**, AI research group and startup accelerator
VLM Researcher (Cohort 4) · co-developed the KRETA benchmark [C2]

2021–2024 **Expressive Computing Lab (EXPC)**, UNIST Ulsan, Korea
Undergraduate Researcher · Advisor: Prof. Kyungho Lee

Industry Experience

2025 **LionRocket**, generative-AI startup for webtoon creation Seoul, Korea
MLOps Engineer (alternative military service)
- Built image-to-video, line-art super-resolution, and balloon-removal pipelines.

2023–2024 **thingsflow**, AI content startup, a KRAFTON subsidiary Seoul, Korea
Machine Learning Scientist, 2023–2024 (alternative military service)
- Launched Hellobot Pet AI Profile Generator: $150K revenue, 25K sales in four months.

Honors and Awards

2026–2027 Forest of Talent Fellowship, Korea Foundation for Advanced Studies, $6,000
2023–2027 Presidential Science Scholarship, one of 60 enrolled undergraduates nationwide
2024 Talent Award of Korea, one of 50 university students and young adults nationwide
2022–2026 KAIST–POSTECH–UNIST AI & Data Science Competition: 1st in 2026, top 4 every year