

# SEONUK KIM

Undergrad HAI Researcher · UNIST

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My research focuses on developing **AI-powered Creativity Support Tools (CSTs)** for Comic Artist within the field of Human-Computer Interaction (HCI). I aim to improve labor-intensive creative workflows, such as comics creation, by designing intelligent systems that assist creators.

**Keywords:** Creativity Support Tools for Comic Artist, Human-Computer Interaction, Human-Centered Design, Image Generation

## EDUCATION

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2020–2028 **Ulsan National Institute of Science and Technology (UNIST)**, Ulsan, Korea.  
(expected) B.S. (in progress), Industrial Engineering (major) and Design (double major)

## PROFESSIONAL EXPERIENCE

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2025 **LionRocket**, Seoul, Korea.  
MLOps Engineer – Alternative Military Service

2023–2024 **thingsflow**, Seoul, Korea.  
Machine Learning Scientist – Alternative Military Service  
Machine Learning Scientist Intern

## PUBLICATIONS

\* indicates equal contribution.

[C.2] 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. *Conference on Empirical Methods in Natural Language Processing (EMNLP '25)*

[C.1] **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. *Congress of the International Association of Societies of Design Research (IASDR '23)*

## HONORS, AWARDS, FELLOWSHIPS

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### Scholarships

2024–2028 **National Presidential Science Scholarship**, President of South Korea  
2020–2023 Academic Performance Scholarship, UNIST

### Honors and Awards

2024 **Talent Award of Korea**, Ministry of Education  
2022–2026 UNIST-POSTECH-KAIST AI & Data Science Competition  
(2026: 1st Place, 2025: 2nd Place, 2024: 3rd Place, 2023: 2nd Place, 2022: 4th Place)  
2020 Samsung Electronics Vice-chairman Prize, Campus Patent Universiade

## TEACHING EXPERIENCE

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Spring 2023 Teaching Assistant, ITP107: Intro. to AI Programming I (Prof. Michael Burrell), UNIST