

# Heeyeon Kim

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## Education

<b>Soongsil University</b> Integrated Ph.D. Student in Computer Science and Engineering	Sep 2022 - Present Seoul, Republic of Korea
<b>Soongsil University</b> B.S. in Computer Science and Engineering	Sept 2018 – Aug 2022 Seoul, Republic of Korea

## Publications (International Journal)

<b>Feature-centric registration of large deformed images using transformers and correlation distance</b>	Jan 2025
<ul style="list-style-type: none"><li>• <i>Heeyeon Kim</i>, Minkyung Lee, Bohyoung Kim, Yeong-Gil Shin, Minyoung Chung</li><li>• Computers in Biology and Medicine, JCR 2023 rank 2.3%, IF=7.0 [DOI]</li></ul>	
<b>SA-DETR: Saliency Attention-based DETR for salient object detection</b>	Dec 2024
<ul style="list-style-type: none"><li>• Kwangwoon Nam, Jeeheon Kim, <i>Heeyeon Kim</i>, Minyoung Chung</li><li>• Pattern Analysis and Applications, JCR 2023 rank 33.2%, IF=3.7 [DOI]</li></ul>	
<b>Adversarial example denoising and detection based on the consistency between Fourier-transformed layers</b>	Nov 2024
<ul style="list-style-type: none"><li>• Seunghwan Jung, <i>Heeyeon Kim</i>, Minyoung Chung, Yeong-Gil Shin</li><li>• Neurocomputing, JCR 2023 rank 21.1%, IF=5.5 [DOI]</li></ul>	

## Publications (Domestic Journal)

<b>A Singular Value-Based Randomized Image Reconstruction Method for Defending Against Adversarial Attacks</b>	Aug 2023
<ul style="list-style-type: none"><li>• <i>Heeyeon Kim</i>, Minyoung Chung</li><li>• The Journal of Korean Institute of next Generation Computing [DOI]</li></ul>	

## Invited Talk

<b>Ministry of Unification (Employ Development Program)</b> ChatGPT and Artificial Intelligence	Jun 2024
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## ACADEMIC SERVICE

IEEE Journal of Biomedical and Health Informatics  
reviewer