# Heeyeon Kim

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## Education

**Soongsil University**                                                                     Sep 2022 - Present
Integrated Ph.D. Student in Computer Science and Engineering                  Seoul, Republic of Korea

**Soongsil University**                                                                     Mar 2018 – Aug 2022
B.S. in Computer Science and Engineering                                          Seoul, Republic of Korea

## Publications (International Journal)

**Feature-centric registration of large deformed images using transformers and correlation distance**                                                          Jan 2025

- *Heeyeon Kim*, Minkyung Lee, Bohyoung Kim, Yeong-Gil Shin, Minyoung Chung
- Computers in Biology and Medicine, JCR 2023 rank 2.3%, IF=7.0 [DOI]

**SA-DETR: Saliency Attention-based DETR for salient object detection**          Dec 2024

- Kwangwoon Nam, Jeeheon Kim, *Heeyeon Kim*, Minyoung Chung
- Pattern Analysis and Applications, JCR 2023 rank 33.2%, IF=3.7 [DOI]

**Adversarial example denoising and detection based on the consistency between Fourier-transformed layers**                                                 Nov 2024

- Seunghwan Jung, *Heeyeon Kim*, Minyoung Chung, Yeong-Gil Shin
- Neurocomputing, JCR 2023 rank 21.1%, IF=5.5 [DOI]

## Publications (Domestic Journal)

**A Singular Value-Based Randomized Image Reconstruction Method for Defending Against Adversarial Attacks**                                                   Aug 2023

- *Heeyeon Kim*, Minyoung Chung
- The Journal of Korean Institute of next Generation Computing [DOI]

## Invited Talk

**Ministry of Unification (Employ Development Program)**                           Jun 2024
ChatGPT and Artificial Intelligence

## ACADEMIC SERVICE

**IEEE Journal of Biomedical and Health Informatics**
reviewer