

Yoonki Cho

PH.D. CANDIDATE, SCHOOL OF COMPUTING, KAIST

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Research Interest

My research interest spans computer vision and machine learning, with a particular focus on:

- Representation Learning
- Visual Retrieval
- Object Re-identification

Education

KAIST

PH.D. CANDIDATE IN COMPUTER SCIENCE

- Advisor: Sung-Eui Yoon

Daejeon, South Korea

Mar.2021 - Present

KAIST

M.S. IN COMPUTER SCIENCE

- Advisor: Sung-Eui Yoon

Daejeon, South Korea

Mar.2019 - Feb.2021

Korea University

B.S IN COMPUTER SCIENCE

Seoul, South Korea

Mar.2015 - Feb.2019

Publications

Preprints

Jaeyoon Kim, **Yoonki Cho**, Taeyoung Kim, Sung-Eui Yoon. “Enhancing Visual Re-ranking through Denoising Nearest Neighbor Graph via Continuous CRF”, arXiv preprint, arXiv:2412.13875.

Published Papers

Yoonki Cho, Jaeyoon Kim, Woo Jae Kim, Junsik Jung, Sung-Eui Yoon. “Generalizable Person Re-identification via Balancing Alignment and Uniformity”, Conference on Neural Information Processing Systems (**NeurIPS**), 2024.

Woo Jae Kim, **Yoonki Cho**, Junsik Jung, Sung-Eui Yoon. “Feature Separation and Recalibration for Adversarial Robustness”, IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023. (**Highlight**)

Yoonki Cho, Woo Jae Kim, Seunghoon Hong, Sung-Eui Yoon. Part-based Pseudo Label Refinement for Unsupervised Person Re-identification, IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022.

Mincheul Kang, **Yoonki Cho**, Sung-Eui Yoon. “RCIK: Real-Time Collision-Free Inverse Kinematics Using a Collision-Cost Prediction Network”, IEEE Robotics and Automation Letters (**RA-L**), 2022.

Professional Experience

National Forensic Service

RESEARCH ASSISTANT

- Worked on face recognition and virtual face generation systems

Wonju, South Korea

Jul. 2017 - Dec. 2017

Academic Service

CONFERENCE REVIEWER

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| 2023-2025 | IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) |
| 2025 | AAAI Conference on Artificial Intelligence (AAAI) |

Teaching Experience

TEACHING ASSISTANT

Aug 2024	AI Expert Course (Vision & Algorithm), Samsung Electronics
Aug 2023	AI Expert Course (Vision & Algorithm), Samsung Electronics
Spring 2023	System Programming (CS230), KAIST
Fall 2023	Data Structure (CS206), KAIST
Fall 2022	Introduction to Deep Learning (CS492(I)), KAIST
Spring 2021	Introduction to Database (CS360), KAIST
Spring 2020	Computer Vision (CS576), KAIST
Fall 2019	Introduction to Computer Networks (CS341), KAIST