

# TaeOh Kim - Curriculum Vitae

**Status:** Research Engineer, NAVER Cloud Corp.  
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**Topic:** Video-based AI, Multimodel LLMs

## Work experience

2023-present	<b>NAVER Cloud Corp.</b> Video AI Research Engineer, Technical Leader	📍 Seongnam, South Korea
2021-2022	<b>NAVER Corp.</b> Video AI, CLOVA Research Engineer	📍 Seongnam, South Korea
2020-2021	<b>NAVER Corp.</b> Video AI, CLOVA Research Intern	📍 Seongnam, South Korea

## Education

2015-2021	<b>Ph. D.</b> Yonsei University Image and Video Pattern Recognition Lab Electrical and Electronic Engineering Advisor: Prof. Sangyoun Lee	📍 Seoul, South Korea
2009-2015	<b>Beachelor's Degree</b> Yonsei University Electrical and Electronic Engineering	📍 Seoul, South Korea

## Publications

<b>Springer IJCV</b> 2023	<b>A Nonlinear, Regularized, and Data-independent Modulation for Continuously Interactive Image Processing Network</b>  Hyeongmin Lee, <b>Taeoh Kim</b> , Hanbin Son, Sangwook Baek, Minsu Cheon, Sangyoun Lee
<b>CVPR</b> 2023	<b>Decomposed Cross-modal Distillation for RGB-based Temporal Action Detection</b>  Pilhyeon Lee, <b>Taeoh Kim</b> , Minho Shim, Dongyoon Wee, Hyeran Byun
<b>ICLR, Top 25%</b> 2023	<b>Exploring Temporally Dynamic Data Augmentation for Video Recognition</b>  <b>Taeoh Kim</b> , Jinhyung Kim, Minho Shim, Sangdoo Yun, Myunggu Kang, Dongyoon Wee, Sangyoun Lee

<b>AAAI, Oral</b> 2023	<b>Frequency Selective Augmentation for Video Representation Learning</b>  Jinhyung Kim, <b>Taeoh Kim</b> , Minho Shim, Dongyoon Han, Dongyoon Wee, Junmo Kim
<b>Pattern Recognition</b> 2022	<b>Unsupervised Video Anomaly Detection via Normalizing Flows with Implicit Latent Features</b>  MyeongAh Cho, <b>Taeoh Kim</b> , Woo Jin Kim, Suhwan Cho, Sangyoun Lee
<b>IEEE TIP</b> 2022	<b>Geometry-Aware Deep Video Deblurring via Recurrent Feature Refinement</b>  <b>Taeoh Kim</b> , Sangyoun Lee
<b>IEEE TIP</b> 2021	<b>Enhanced Standard Compatible Image Compression Framework based on Auxiliary Codec Networks</b>  Hanbin Son, <b>Taeoh Kim</b> , Hyeongmin Lee, Sangyoun Lee
<b>IEEE Access</b> 2021	<b>Block-Attentive Subpixel Prediction Networks for Computationally Efficient Image Restoration</b>  <b>Taeoh Kim</b> , Chajin Shin, Sangjin Lee, Sangyoun Lee
<b>ICIP</b> 2021	<b>Test-Time Adaptation for Out-of-distributed Image Inpainting</b>  Chajin Shin, <b>Taeoh Kim</b> , Sangjin Lee, Sangyoun Lee
<b>ECCV Workshop</b> 2020	<b>Learning Temporally Invariant and Localizable Features via Data Augmentation for Video Recognition</b>  <b>Taeoh Kim</b> <sup>*</sup> , Hyeongmin Lee <sup>*</sup> , MyeongAh Cho <sup>*</sup> , Ho Seong Lee, Dong Heon Cho, Sangyoun Lee ( <sup>*</sup> Equal Contribution)
<b>IEEE TIFS</b> 2020	<b>Test-Time Adaptation for Out-of-distributed Image Inpainting</b>  Chajin Shin, <b>Taeoh Kim</b> , Sangjin Lee, Sangyoun Lee
<b>ICIP</b> 2020	<b>Extrapolative-Interpolative Cycle- Consistency Learning For Video Frame Extrapolation</b>  Sangjin Lee, Hyeongmin Lee, <b>Taeoh Kim</b> , Sangyoun Lee
<b>CVPR</b> 2020	<b>AdaCoF: Adaptive Collaboration of Flows for Video Frame Interpolation</b>  Hyeongmin Lee, <b>Taeoh Kim</b> , Tae-Young Chung, Daehyun Pak, Yuseok Ban, Sangyoun Lee
<b>IEEE Access</b> 2019	<b>Sampling Operator to Learn the Scalable Correlation Filter for Visual Tracking</b>  Minkyu Lee, <b>Taeoh Kim</b> , Yuseok Ban, Eunyeol Song, Sangyoun Lee
<b>ICB</b> 2019	<b>NIR-to-VIS Face Recognition via Embedding Relations and Coordinates of the Pair-wise Features</b>  MyeongAh Cho, Tae-Young Chung, <b>Taeoh Kim</b> , Sangyoun Lee
<b>ICIP</b> 2019	<b>SF-CNN: A Fast Compression Artifacts Removal via Spatial-To-Frequency Convolutional Neural Networks</b>  <b>Taeoh Kim</b> , Hyeongmin Lee, Hanbin Son, Sangyoun Lee

**ICIP**  
2018

**Collabonet: Collaboration of Generative Models by Unsupervised Classification**

Hyeongmin Lee, **Taeoh Kim**, Eungyeol Song, Sangyoun Lee

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## Academic Services

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<b>Reviewers</b>	CVPR 2022, 2023 ICCV 2023 ECCV 2022 AAAI 2023, 2024 IEEE TCSVT, IEEE TII, DSP, Neurocomputing
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## Awards and Honors

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<b>Awards</b>	2nd Place, Image Extreme Inpainting Challenge Track 1: Classic Inpainting, Advances in Image Manipulation (AIM) 2020 Workshop, ECCV 2020  4th Place, Visual Inductive Priors for Data-Efficient Action Recognition Challenge, 1st Visual Inductive Priors (VIPriors) for Data-Efficient Deep Learning Workshop, ECCV 2020  1st Place, "Tell-A-Byte", Competition in Global Entrepreneurship Camp Korea, IITP Korea and Stanford University, Korea (2015)
<b>Scholarship</b>	National Science and Technology Scholarship, KOSAF, Korea (2009 - 2015)

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## Other Experiences

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<b>Lectures</b>	Part Time Lectures at CUBOX Inc.
<b>Talks</b>	PR12 Youtube Presentations on Deep Learning
<b>Teaching Assistant</b>	Digital Signal Processing (2015 Spring) Signal and Systems (2015 Fall) Advanced EE Experiments (2016 Fall) Advanced EE Experiments (2017 Spring) Advanced EE Experiments (2017 Fall) Junior Seminar: Deep Learning for Visual Recognition (2020 Fall)