

YEONGTAK OH (오영탁)

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PERSONAL INFORMATION

Birth: Republic of Korea

Dec 19th 1996

Nationality : Korean

Language : First Language Korean, Fluent in English

Military Service Status : Discharged

EDUCATION

Seoul National University

Sep 2022 - Current

Department of Electrical and Computer Engineering

Ph.D Candidate

Advisor : Prof. Sungroh Yoon

Seoul National University

Sep 2018 - Aug 2020

Master of Mechanical Engineering

Advisor : Prof. Byeng D. Youn

Seoul National University

Mar 2014 - Aug 2018

Bachelor of Mechanical and Aerospace Engineering

Chungnam Science High School

Mar 2012 - Feb 2014

RESEARCH INTERESTS

Generative Models, Post-Training, Multi-Modal Language Model, Personalization

INTERNATIONAL CONFERENCES

1. S Park, E Kim, **Y Oh**, J Choi, S Yoon, Guiding What Not to Generate: Automated Negative Prompting for Text-Image Alignment *WACV, 2026, poster*
2. J Choi*, C Shin*, **Y Oh**, H Kim, J Lee, S Yoon, Style-Friendly SNR Sampler for Style-Driven Generation *WACV, 2026, poster*
3. **Y Oh**, D Kim, J Shin, S Park, B Johan, J Mok, S Yoon, RePIC: Reinforced Post-Training for Personalizing Multi-Modal Language Models *NeurIPS, 2025, poster*
4. **Y Oh***, J Choi*, Y Kim, M Park, C Shin, S Yoon, ControlDreamer: Blending Geometry and Style in Text-to-3D *BMVC, 2024, poster*
5. **Y Oh***, J Lee*, J Choi, D Jung, U Hwang, S Yoon, Efficient Diffusion-Driven Corruption Editor for Test-Time Adaptation *ECCV, 2024, poster*
6. **Y Oh**, J Kim, System Design and Implementation of Multi-legged Spider Robots for Landmine Detection in the Demilitarized Zone *UR, 2021, oral*

INTERNATIONAL JOURNALS

1. **Y Oh**, S Lee, U Hwang, S Yoon, On Mitigating Stability-Plasticity Dilemma in CLIP-guided Image Morphing via Geodesic Distillation Loss . *International Journal of Computer Vision (IF: 11.6), Nov 2024*
2. **Y Oh**, Y Kim, K Na, B D Youn, A Deep Transferable Motion-Adaptive Fault Detection Method for Industrial Robots Using a Residual Convolutional Neural Network. *ISA Transactions (IF: 5.468), Nov 2021*

3. S Khalid, W Lim, H Kim, **Y Oh**, B Youn, H Kim, Y Bae, Intelligent Steam Power Plant Boiler Waterwall Tube Leakage Detection via Machine Learning-Based Optimal Sensor Selection.
Sensors (IF: 3.576), Nov 2020

INVITED TALKS

1. Efficient Vision-Centric Post-Training Methods for Multi-Modal Generative Models
Ewha Womans University, Nov 2025
2. ControlDreamer and Beyond: Post-Training Multi-View Generative Models for 3D Generation
NVIDIA, Feb 2025

EXPERIENCE

- Research Intern** *Jan 2022- Aug 2022*
Seoul National University, Data Science and Artificial Intelligence Lab
Continual Learning
Advisor : Prof. Sungroh Yoon
- Military Service** *Aug 2020- Jan 2022*
Location: Korea Military Academy, AI R&D Center
Position: Military Science and Technology Researcher, Republic of Korea Army

AWARDS AND HONORS

- Finalist:** Qualcomm Innovation Fellowship Korea (QIFK) *2025 Dec*

TEACHING ASSISTANT

- Fundamentals of Deep Learning**, SNU *2025 Fall*
- Machine Learning Fundamentals and Applications**, SNU *2024 Spring*
- Solid Mechanics**, SNU *2020 Spring*

SKILLS

- Programming Languages** Python(Pytorch), MATLAB
Languages English