

RESEARCH INTERESTS

 Perceptual Quality, Multimodal Perception, Generative Video, Vision for Robotics

EDUCATION

University of Colorado Boulder
Ph.D. Electrical and Computer Engineering (Advisor: Prof. Alan Bovik)

- Overall GPA : 4.0 / 4.0

Boulder, Colorado

08/2025 - present

University of Michigan
M.S. Electrical and Computer Engineering (Advisor: Prof. Andrew Owens)

Ann Arbor, Michigan

09/2023 - 04/2025

Korea University
B.S. Computer Science and Engineering, B.Eng. Chemical and Biological Engineering

Seoul, South Korea

03/2015 - 08/2023

PUBLICATIONS

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- **Wonseok Oh** and Alan Bovik. 2026. Sudo Thermal Camera: Heat-Adjustable Generative Video from a Single RGB Image. *CVPR 2026 2nd Workshop on Human-Interactive Generation and Editing* (under review) [\[Link\]](#)
 - Time is the Reward: Learning Vision-Language Reward Potentials for Robotics. (under review)
 - Yiming Dou, **Wonseok Oh**, Yuqing Luo, Antonio Loquercio, and Andrew Owens. 2025. Hearing Hands: Generating Sounds from Physical Interactions in 3D Scenes. *IEEE/CVF Conference on Computer Vision and Pattern Recognition* (CVPR 2025) [\[Link\]](#)
 - **Wonseok Oh** et al. 2024. From 2D Portraits to 3D Realities: Advancing GAN Inversion for Enhanced Image Synthesis. *CVPR 2024 2nd Workshop for Learning 3D with Multi-View Supervision* (CVPRW 2024) (oral) [\[Link\]](#)

EXPERIENCE

Meta Reality Labs
Research Assistant (Supervisor: Alex Chapiro)

08/2025 - present

VGG, University of Oxford
Research Collaboration (Supervisor: Prof. João Henriques)

06/2025 - present

Electronics & Telecommunications Research Institute (ETRI)
Research Intern @Visual Intelligence Research Section

07-08/2021, 01-02/2022, 07-08/2022

Daejeon, South Korea

SERVICES

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- **Conference reviewer:** ICML 2026, ICLR 2025, CPAL 2025
 - **Workshop reviewer:** CVPRW 2024 (Generative Models for Computer Vision; AI City Challenge), ECCVW 2024 (Out-of-Distribution Generalization in Computer Vision; AI for Visual Arts)

SELECTED HONORS & AWARDS

Gold Reviewer
ICML 2026

2026

Dean's Fellowship for Excellence
University of Colorado Boulder

2025

Capstone Design / Independent Study Competition - 2nd Place
Korea University (KCC 2023 oral)

2023

SKILLS

Languages: English, Korean **Documentation:** Markdown, L^AT_EX
Programming: Python (PyTorch, TensorFlow, Keras), C/C++, Matlab, Kotlin

REFERENCES

Alan Bovik
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