

Wonseok Oh

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Email: Wonseok.Oh@colorado.edu

RESEARCH INTERESTS

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

EDUCATION

University of Colorado Boulder

Ph.D. Electrical and Computer Engineering (Advisor: Prof. Alan Bovik)

Boulder, Colorado

08/2025 - present

- Overall GPA : 4.0 / 4.0

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

- **Wonseok Oh** and Alan Bovik. 2026. Sudo Thermal Camera: Heat-Adjustable Generative Video from a Single RGB Image. *CVPR 2026 Workshop* (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

Daejeon, South Korea

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

- Participated in the DeepView project and developed a new network RDID-GAN for reconstructing unidentified image datasets.

SERVICES

- **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

Rackham Conference Travel Grant

University of Michigan

2024

Capstone Design / Independent Study Competition - 2nd Place

Korea University (KCC 2023 oral)

2023

SKILLS

Languages: English, Korean

Programming: Python (PyTorch, TensorFlow, Keras), C/C++, Matlab, Kotlin

Documentation: Markdown, \LaTeX

REFERENCES

Alan Bovik

Provost's Endowed Chair Professor

Andrew Owens

Associate Professor

João Henriques

Associate Professor (VGG)

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University of Colorado Boulder

Email : andrew.owens@cornell.edu

Cornell Tech

Email : joao@robots.ox.ac.uk

University of Oxford