

Wonjoon Jin

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<https://jinwonjoon.github.io/>

RESEARCH INTERESTS

Image and Video Synthesis, 3D Computer Vision, Neural Rendering, Optics

WORK EXPERIENCE

Research Internship, Microsoft Research Asia

Visual computing team (advisor: Chong Luo)

Beijing, China

Sep. 2024 – Mar. 2025

Research Internship, Kakao Brain

Neural rendering team (advisor: Hyunjoon Lee)

Seongnam, South Korea

Jul. 2022 – Sep. 2022

Research Internship, Hyundai Motors

Sensor fusion team

Seoul, South Korea

Jan. 2020 – Feb. 2020

EDUCATION

Pohang University of Science and Technology (POSTECH)

Ph.D. of Computer Science and Engineering (advisor: Sunghyun Cho)

Pohang, South Korea

Mar. 2021 –

Sungkyunkwan University

Bachelor of Mechanical Engineering

Suwon, South Korea

Mar. 2015 – Feb. 2021

PUBLICATIONS

International Publication (*: equal contribution)

1. **Wonjoon Jin**, Qi Dai, Chong Luo, Seung-Hwan Baek, and Sunghyun Cho, “FloVD: Optical Flow Meets Video Diffusion Model for Enhanced Camera-Controlled Video Synthesis.” *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025. [Website](#).
2. Daneul Kim, Jingxu Zhang, **Wonjoon Jin**, Sunghyun Cho, Qi Dai, Jaesik Park, Chong Luo, “Subject-driven Video Generation via Disentangled Identity and Motion.” *arXiv*, 2025. [Website](#).
3. Haechan Lee*, **Wonjoon Jin***, Seung-Hwan Baek, and Sunghyun Cho, “Generalizable Novel-View Synthesis using a Stereo Camera.” *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2024. [Website](#).
4. Kyungmin Jo*, **Wonjoon Jin***, Jaegul Choo, Hyunjoon Lee, and Sunghyun Cho, “3D-Aware Generative Model for Improved Side-View Image Synthesis.”, *International Conference on Computer Vision (ICCV)*, 2023. [Website](#).
5. Youngchan Kim, **Wonjoon Jin**, Sunghyun Cho, and Seung-Hwan Baek, “Neural Spectro-polarimetric Fields.”, *SIGGRAPH ASIA*, 2023. [Website](#).
6. **Wonjoon Jin**, Nuri Ryu, Seung-Hwan Baek, and Sunghyun Cho, “Dr.3D: Adapting 3D GANs to Artistic Drawings.”, *SIGGRAPH ASIA*, 2022. [Website](#).

Domestic Publication

1. **Wonjoon Jin**, Soongjin Kim, Jaesik Park, Seungyong Lee, and Sunghyun Cho, “GC-NeRF: Efficient NeRF Training with Geometric Constraints.” *Workshop on Image Processing and Image Understanding (IPIU)*, 2022.

TEACHING EXPERIENCES

CSED101: Programming and Problem Solving (POSTECH) <ul style="list-style-type: none">• Teaching Assistant	Mar. 2024 – June 2024
AI&Big Data Academy <ul style="list-style-type: none">• Teaching Assistant• Topic: Computer Vision	May 2023 & May 2024
CSED232: Object-Oriented Programming (POSTECH) <ul style="list-style-type: none">• Teaching Assistant	Mar. 2022 – June 2022

EXTRA

Computational Imaging Project (POSTECH, CSED520) <ul style="list-style-type: none">• Developed multi-plane-based diffusion models for 3D-aware image synthesis.	Mar. 2023 – Jun. 2023
Reviewers <ul style="list-style-type: none">• International Conference on Computer Vision (ICCV)• IEEE Transactions of Visualization and Computer Graphics (TVCG)• Pacific Conference on Computer Graphics (Pacific Graphics)	Mar. 2021 –
Military Service (South Korea)	Jan. 2017 – Oct. 2018