

Park Subin

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EDUCATION

Ulsan National Institute of Science and Technology, UNIST

B.S Expected in Feb, 2026 in Electrical Engineering; GPA: 3.83/4.30

Ulsan, Korea

Mar 2020 – Feb 2026

RESEARCH INTERESTS

Goal – Build physically grounded and generative approaches for 3D/4D reconstruction of humans and scenes from sparse, noisy, and blurred observations, with the goal of creating high-fidelity digital twins.

Keywords – 3D Reconstruction, 3D Human Modeling, Generative Models, Inverse Problems, Computer Vision, Computer Graphics

EXPERIENCE

KAIST SoC AMILab

Intern

Daejeon, Korea

June 2025 – current

- Contributed to a 3D human generation project based on Gaussian representations.
- Conducting research on 3D scene reconstruction with generative priors.

UNIST AIGS LAIT

Intern

Ulsan, Korea

Jul 2024 – June 2025

- Developed Diffusion Posterior Sampling (DPS) method to reconstruct the blurry images of mouse brain cells and workshop paper was accepted by IPIU in 2025.

PUBLICATIONS

International Conference & Journal

C02. Kim Youwang, Lee Hyoseok, **Park Subin**, Gerard Pons-Moll, Tae-Hyun Oh. “*ELITE: Efficient Gaussian Head Avatar from a Monocular Video via Learned Initialization and Test-time Generative Adaptation.*” arXiv preprint, 2026.

Domestic Conference

C01. Seongwon Cho*, **Park Subin***, Jaejun Yoo. “*Diffusion Posterior Sampling Based Two-photon Microscope Image Reconstruction with Optical Aberration Model.*” Proceedings of IPIU, 2025. * indicates equal contribution.

AWARDS & ACHIEVEMENTS

Dean's List: Awarded to students with excellent academic performance in the college by College of Information and Biotechnology, UNIST (Oct 2024)

Academic Excellence Award: Awarded to students with excellent academic performance in the department by Department of Electrical Engineering, UNIST (Dec 2024)

Best Poster Presentation Award: Awarded to students with excellent poster presentation of bachelor's thesis in the department by Department of Electrical Engineering, UNIST (June 2025)