

# Jiahui Fan (Dr.-Ing)

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## Short Bio

Jiahui Fan is currently a Research Assistant at Nanjing University. He received his Ph.D. from Nanjing University of Science and Technology (NJUST) in November 2025, under the supervision of Prof. Jian Yang and Prof. Beibei Wang. Previously, he was a research intern at Disney Research | Studios (Zurich) in 2023 and obtained his B.S. degree from NJUST in 2020. His research interests lie in applying AI and machine learning techniques to rendering and inverse rendering. He has published multiple papers in leading venues, including SIGGRAPH, CVPR, and IEEE TVCG. Jiahui Fan's current research focuses on:

- neural appearance representation and generation,
- lightweight material / object acquisition, and
- inverse rendering from large model priors.

## Education and Work Experience

- Ph.D., Computer Graphics, **Nanjing University of Science and Technology**, China  
(2020.09 - 2025.11)
- Internship, **Disney Research | Studio**, Zurich (2023.06 – 2023.09)
- Bachelor, Computer Science, **Nanjing University of Science and Technology**, China  
(2016.09 - 2020.06)

## Honors and Awards

- Outstanding Presentation Award (CSIG 2025)
- Style3D Graphics Scholarship 2022
- Best Poster Award (GAMES 2022)
- National Ph.D. Scholarship 2022 (China)

## Featured Publications

- Neural Layered BRDFs,  
*Jiahui Fan, Beibei Wang, Miloš Hašan, Jian Yang and Ling-Qi Yan,*  
**SIGGRAPH 2022**

- Neural Biplane Representation for BTF Rendering and Acquisition,  
*Jiahui Fan, Beibei Wang, Miloš Hašan, Jian Yang and Ling-Qi Yan,*  
**SIGGRAPH 2023**
- RNG: Relightable Neural Gaussians,  
*Jiahui Fan, Fujun Luan, Jian Yang, Miloš Hašan, Beibei Wang,*  
**CVPR 2025**
- Efficient Specular Glints Rendering with Differentiable Regularization,  
*Jiahui Fan, Beibei Wang, Wenshi Wu, Miloš Hašan, Jian Yang and Ling-Qi Yan,*  
**IEEE TVCG 2021**

## **Extracurricular**

Apart from his research, Jiahui Fan is also deeply interested in modern dramas, rock music, movies, Formula 1 races, video games, and foreign languages.