

Jiahui Fan (Dr.-Ing)

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Short Bio

Jiahui Fan is currently a Postdoctoral Researcher at Technical University of Munich (TUM), supervised by Prof. Dr. Matthias Niessner. Before that, he was a Research Assistant at Nanjing University. Jiahui Fan 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.

Education and Work Experience

- Postdoctoral Researcher, **Technical University of Munich**, Garching, Germany (2026.06 – Present),
- Research Assistant, **Nanjing University**, Suzhou, China (2025.12 – 2026.05)
- Ph.D., Computer Graphics, **Nanjing University of Science and Technology**, Nanjing, China (2020.09 - 2025.11)
- Internship, **Disney Research | Studio**, Zurich, Switzerland (2023.06 – 2023.09)
- Bachelor, Computer Science, **Nanjing University of Science and Technology**, Nanjing, 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

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 frequently enjoys the art of dramas, music, movies, TRPGs, and video games. He is also a huge fan of Formula 1 races, and is deeply interested in foreign languages.