Zhimin Fan

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Education

B.S. in Computer Science and Engineering   2019.9 - 2023.6
Southeast University, China   (GPA: 3.98/4.00,   Avg: 93.25/100)

M.S. in Computer Science and Technology   2023.9 - 2026.6 (Expected)
Nanjing University, China

Publications

Bernstein Bounds for Caustics
Zhimin Fan, Chen Wang, Yiming Wang, Boxuan Li, Yuxuan Guo, Ling-Qi Yan, Yanwen Guo, Jie Guo
ACM Transactions on Graphics (Proceedings of SIGGRAPH 2025)

Multiple Importance Reweighting for Path Guiding
Zhimin Fan, Yiming Wang, Chenxi Zhou, Ling-Qi Yan, Yanwen Guo, Jie Guo
ACM Transactions on Graphics (Proceedings of SIGGRAPH 2025)

Specular Polynomials
Zhimin Fan, Jie Guo, Yiming Wang, Tianyu Xiao, Hao Zhang, Chenxi Zhou, Zhenyu Chen, Pengpei Hong, Yanwen Guo, Ling-Qi Yan
ACM Transactions on Graphics (Proceedings of SIGGRAPH 2024)

Conditional Mixture Path Guiding for Differentiable Rendering
Zhimin Fan, Pengcheng Shi, Mufan Guo, Ruoyu Fu, Yanwen Guo, Jie Guo
ACM Transactions on Graphics (Proceedings of SIGGRAPH 2024)

Manifold Path Guiding for Importance Sampling Specular Chains
Zhimin Fan*, Pengpei Hong*, Jie Guo, Changqing Zou, Yanwen Guo, and Ling-Qi Yan
ACM Transactions on Graphics (Proceedings of SIGGRAPH ASIA 2023)   *: Joint first authors

Awards

National Scholarship, Nanjing University	2024
First-class academic scholarship, Nanjing University	2023, 2024
President Scholarship, Southeast University	2021
National Scholarship (1%), Southeast University	2020
Tingbiao Jiao Scholarship, Southeast University	2020
Gold Medal at ACM-ICPC Asia Regional Contest	2020
Provincial First Prize at Chinese Physics Olympiad	2018
Provincial First Prize at National Olympiad in Informatics in Provinces	2016, 2017

Services

Technical paper reviewer: SIGGRAPH (2025), SIGGRAPH Asia (2024), TVCG (2024), EG (2025)

Skills

English: TOEFL iBT 104 (R28+L26+S23+W27) | **Programming**:   C/C++, Python, CUDA, GLSL