

Duan Gao (高端)

Tsinghua University
Department of Computer Science and Technology
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Education

Tsinghua University

Ph.D. Student, Computer Science, 2017.9 - now

Fields: Computer Graphics

Research interests: Appearance modeling, physically-based rendering and real-time rendering.

Nanjing University

B.A., Computer Science, 2012.9 - 2017.7.

Experience

Research intern@Microsoft Research Asia, Internet Graphics Group

2019.10 - 2020.5, Neural relighting research with Dr. Guojun Chen, Dr. Yue Dong and Dr. Xin Tong.

Research intern@Tencent AI Lab

2019.7 - 2019.8, 3D face reconstruction research with Dr. Haozhi Huang.

Research intern@Microsoft Research Asia, Internet Graphics Group

2018.8 - 2019.5, Appearance modeling research with Dr. Yue Dong and Dr. Xin Tong.

Research intern@Megvii(Face++)

2017.7 - 2017.9, Facial recovery and rendering research with Dr. Liqian Ma.

Publications

Deferred Neural Lighting: Free-viewpoint Relighting from Unstructured Photographs

SIGGRAPH Asia 2020

Duan Gao, Xiao Li, Yue Dong, Pieter Peers, Kun Xu, Xin Tong

Deep Inverse Rendering for High-resolution SVBRDF Estimation from an Arbitrary Number of Images

SIGGRAPH 2019

Duan Gao, Xiao Li, Yue Dong, Pieter Peers, Kun Xu, Xin Tong

Technical skills **Main skills** : Computer graphics
 Languages : C/C++, Python, Java, OpenGL
 Software : Git, LaTeX, TensorFlow

Languages **Chinese** (native), **English** (Working knowledges.)

Projects **Elegans Renderer**
 Physically based renderer. [Link](#)

Smoke Simulation
 Smoke simulation based on the paper “Visual Simulation of Smoke“ [Link](#)

Face Relighting
 3D face reconstruction from a single image and face relighting [Link](#)

BlueNoise Generator
 Generate blue noise images. [Link](#)