

# Kaizhang Kang

---

**Home Page**      [www.cocoakang.cn](http://www.cocoakang.cn)  
**Mobile Phone**    +86 178 1685 8995  
**Email**            [generous.kkz@gmail.com](mailto:generous.kkz@gmail.com)

## Summary

I entered Mixed Honors Class in Chu Kochen Honors College of Zhejiang University in 2014. I received B.Eng. degree from College of Computer Science & Technology, Zhejiang University and Honours Degree from Chu Kochen Honors College in 2018. Currently I am a Ph.D. student in the State Key Lab of CAD&CG, Zhejiang University (supervised by Prof. Hongzhi Wu). My research interests include appearance acquisition/modeling and rendering.

## Education

<b>Sep. 2014 - June. 2018</b>	B.S. in Computer Science - Zhejiang University <i>Got Honours Degree from Chu Kochen Honors College.</i>
<b>Sep. 2018 - Sep./Dec. 2022 (expected)</b>	Ph.D. in Computer Science - Zhejiang University

## Publications

- **Learning Efficient Photometric Feature Transform for Multi-view Stereo**  
*Kaizhang Kang, Cihui Xie, Ruisheng Zhu, Xiaohe Ma, Ping Tan, Hongzhi Wu and Kun Zhou*  
ICCV2021
- **Neural Reflectance Capture in the View-Illumination Domain**  
*Kaizhang Kang, Minyi Gu, Cihui Xie, Xuanda Yang, Hongzhi Wu and Kun Zhou*  
TVCG
- **Learning Efficient Illumination Multiplexing for Joint Capture of Reflectance and Shape**  
*Kaizhang Kang, Cihui Xie, Chengan He, Mingqi Yi, Minyi Gu, Zimin Chen, Kun Zhou and Hongzhi Wu*  
ACM Trans. Graph. (Proc. SIGGRAPH Asia 2019), 38, 6 (Nov. 2019), 165.
- **Efficient Reflectance Capture Using an Autoencoder**  
*Kaizhang Kang\*, Zimin Chen\*, Jiaping Wang, Kun Zhou and Hongzhi Wu*  
ACM Trans. on Graphics (Proc. SIGGRAPH 2018), 37, 4 (Aug. 2018), 127.  
\*:Joint first authors
- **Free-form Scanning of Non-planar Appearance with Neural Trace Photography**  
*Xiaohe Ma, Kaizhang Kang, Ruisheng Zhu, Hongzhi Wu and Kun Zhou*  
ACM Trans. Graph. (Proc. SIGGRAPH 2021), 40, 4 (Aug. 2021), 124.

## Honors & Awards

<b>Microsoft Research Asia Fellowship</b>	2021
<b>Lu Zengyong CAD&amp;CG High Technology Award(Second place)</b>	2019
<b>ACM SIGGRAPH Student Research Competition(Second place)</b>	2018

## Skills

- **Deep learning.** I used deep learning in previous works to solve 3D modeling problems for both geometry and appearance, and the implementations are done with Pytorch and Tensorflow.
- **CV & CG.** My research in the past 4 years mainly focuses on CV & CG about how to digitize 3D objects in both high efficiency and high quality manner.
- **Programming.** The published works are mainly implemented with Python and C++.
- **Hardware design.** I built hardware prototypes of lightstage and hand-held scanner from scratch, including PCB design, FPGA programming.