

XIAO LI

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🎓 EDUCATION

University of Science and Technology of China (USTC) 2013 – 2019 (expected)

Ph.D. candidate in Automation (Pattern Recognition & Intelligence Systems)

Advisor: Prof. Baining Guo & Prof. Yong Wang

Research Interest:

- Image-based modeling and synthesis
- Appearance modeling & rendering with deep-learning approach

University of Science and Technology of China (USTC) 2009 – 2013

B.Eng. in Electronics Engineering

👤 EXPERIENCE

Microsoft Research Asia (MSRA) July. 2014 - Present

Research Intern (Joint Ph.D. Program) Mentor: Dr. Yue Dong, Lead Researcher

Working as a research intern in Internet Graphic group. Conducting research on appearance capture and modeling with deep learning method.

Microsoft Research Asia (MSRA) July. 2012 - June. 2013

Research Intern (Pre-Ph.D. Program) Mentor: Dr. Lvdi Wang, Associate Researcher

Worked as a research intern in Internet Graphic group. Conducted research and development on news visualization, image morphing, image-based hair modeling and interpolation.

Academy of Opto-Electronics, Chinese Academy of Sciences July. 2011 - Oct. 2011

Software Develop Intern Manager: Dr. Ziyang Li

Developed a software for data monitoring and backup in LAN using C++ and VB.NET.

📄 PROJECT & PUBLICATION

Camera-Aware Compositing of Virtual Objects into Photographs for Augmented Reality

Jun Gao, **Xiao Li**, Liwei Wang, Stephen Lin

in submission to CVPR 2019

Modeling GANs with Multiple Independent Low-dimensional Projection Discriminators

Xiao Li, Yue Dong, Pieter Peers, Xin Tong

in submission to CVPR 2019

Single Photograph Surface Appearance Modeling with Self-augmented CNNs and Inexact Supervision

Wenjie Ye, **Xiao Li**, Yue Dong, Pieter Peers, Xin Tong

Computer Graphics Forum 37, 7, (Pacific Graphics 2018)

Modeling Surface Appearance from a Single Photograph using Self-Augmented Convolutional Neural Networks

Xiao Li, Yue Dong, Pieter Peers, Xin Tong

ACM Transactions on Graphics, 36(4), 2017, (SIGGRAPH 2017)

Capturing Piecewise SVBRDFs with Content Aware Lighting

Xiao Li, Peiran Ren, Yue Dong, Gang Hua, Xin Tong, Baining Guo

in submission to IEEE Trans. on Visualization and Computer Graphics

Hair Interpolation for Portrait Morphing

Yanlin Weng, Lvdi Wang, **Xiao Li**, Menglei Chai, Kun Zhou

Computer Graphics Forum 32, 7, (Pacific Graphics 2013)

GrowSearch: A prototype desktop application for news reading, managing & visualization

Jun Guo, **Xiao Li**, Shuangzhi Wu, Xichao Yang, Xiong Zhang

<http://www.msra.cn/zh-cn/connections/talents/msinnovation/default.aspx>

SKILLS

- Programming Languages: Python / C++ / C
- Libraries: OpenGL / OpenCV / DirectX / CUDA / Qt
- DL framework: Caffe / TensorFlow

HONORS AND AWARDS

Most Creative Award, Microsoft Student TestFest 2018	April. 2018
Hitachi Scholarship, University of Science and Technology of China	Sept. 2012
Excellent Student Scholarship, Silver, University of Science and Technology of China	Sept. 2011
Excellent Student Scholarship, Bronze, University of Science and Technology of China	Sept. 2010