

SONG GUOXIAN

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EDUCATION

Nanyang Technological University, Singapore

August 2018 - Early 2022

Phd in Computer Science on 3D face reconstruction and analysis

Supervised by Prof.Cham Tat-Jen, Prof.Cai Jianfei and Prof.Zheng Jianmin

Kyoto University, Japan

Sep 2016 - April 2017

Research Student on "Appearance-based gaze estimation" topic

Supervised by Prof. Kawashima Hiroaki

University of Science and Technology of China, China

Sep 2012 - July 2016

Bachelor Degree in MATHEMATICS HUA LOO-KENG TALENT PROGRAM.

Supervisor: Prof.Ligang Liu and Prof.Juyong Zhang

WORK EXPERIENCE

Bytedance AI Lab, US

June 2020 - Jan 2021

Research Intern

Research topic is 3D face reconstruction and stylization managed by Dr. Linjie Luo, Dr. Zhili Chen, Dr. Jing Liu and Dr. Alex Ma.

Institute for Media Innovation@NTU

June 2017 - July 2018

Project Officer

Research topic is Immersive Teleconferencing. We intend to design teleconferencing scenarios system, where two or more people at remote locations could meet real-time face-to-face in a virtual room.

PUBLICATION

ELSEVIER IVC 2020: Recovering Facial Reflectance and Geometry from Multi-view Images.

Guoxian Song, Jianmin Zheng, Jianfei Cai, Tat-Jen Cham.

NeuroComputing 2019: Conditional Adversarial Synthesis of 3D Facial Action Units.

Zhilei Liu, **Guoxian Song**, Jianfei Cai, Tat-Jen Cham, Juyong Zhang.

ACM MM 2018: Real-time 3D Face-Eye Performance Capture of a Person Wearing VR Headset.

Guoxian Song, Jianfei Cai, Tat-Jen Cham, Jianmin Zheng, Juyong Zhang, Henry Fuchs.

ACM Siggraph Asia 2016: FrameFab:Robotic Fabrication of Frame Shapes.

Yijiang Huang, Juyong Zhang, Xin Hu, **Guoxian Song**, Zhongyuan Liu, Lei Yu, Ligang Liu.

ACADIA 2016: Highly Informed Robotic 3D Printed Polygon Mesh.

Lei Yu, Yijiang Huang, Zhongyuan Liu, Sai Xian, Ligang Liu, **Guoxian Song**, Yanxin Wang.

PATTERN

NTUitive 2019-166 A 3D avatar creation and personalized animation system using 2D image and webcam.

Guoxian Song, Jianfei Cai, Tat-Jen Cham.

Singapore Pattern 2020 Referred Neural Portrait Relighting. **Guoxian Song**, Tat-Jen Cham, Jianfei Cai, Jianmin Zheng.

LANGUAGES AND SKILLS

ENGLISH: IELTS 7.0

CHINESE: Mother tongue

JAPANESE: N4

Code: C++, PYTHON, CUDA

Github: <https://github.com/GuoxianSong>

Homepage: <https://guoxiansong.github.io/homepage/>