

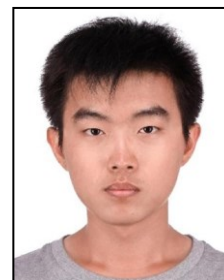
Lizhen Wang 王立桢

Ph.D. Student at Tsinghua University

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Address: Tsinghua University, Beijing, 100084, P. R. China



EDUCATION

Tsinghua University, Bachelor of Science

Aug 2014- July 2018

Major in Science of Mathematics and Physics, the Department of Physics

- GPA: 89/100
- Academic Excellence Scholarship of Tsinghua University
- Social Work Excellence Scholarship of Tsinghua University

Tsinghua University, Ph.D. student

Aug 2018- Now

Major in Automatic Control Theory, the Department of Automation

- GPA: 3.7/4.0
- Advisor: Prof. Yebin Liu
- Teaching assistant of Data Structure course

EXPERIENCES

Ant Group | Alipay Business Line, IoT Division

May 2020- July 2021

Research Internship

Mentor: Dr. Chenguang Ma

- MetaFace (FaceVerse in publications): building the high-fidelity Chinese 3D face morphable Model (3DMM) using a hybrid dataset.

The University of Texas at Austin | Graphics & AI Lab

July 2017- Sep 2017

Summer Internship

Advisor: Prof. Qixing Huang

- Manifold CNN structure for 3D objects.

PUBLICATIONS

[1] **Lizhen Wang**, Xiaochen Zhao, Tao Yu and Yebin Liu

NormalGAN: Learning Detailed 3D Human from a Single RGB-D Image

European Conference on Computer Vision (ECCV), 2020

[2] **Lizhen Wang**, Zhiyuan Chen, Tao Yu, Chenguang Ma, Liang Li and Yebin Liu

FaceVerse: a Fine-grained and Detail-controllable 3D Face Morphable Model from a Hybrid Dataset

IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2022

[3] Shi Yan, Chenglei Wu, **Lizhen Wang**, Feng Xu, Liang An, Kaiwen Guo, and Yebin Liu

DDRNet: Depth Map Denoising and Refinement for Consumer Depth Cameras Using Cascaded CNNs

European Conference on Computer Vision (ECCV), 2018

RESEARCH PROJECTS

Tsinghua University | Broadband Network & Digital Media Lab

Apr 2016- July 2018

Seminar Project

Advisor: Prof. Yebin Liu

- DDRNet: depth map denoising and refinement for the consumer RGBD camera.
- 3D dynamic human body reconstruction.

Tsinghua University | Broadband Network & Digital Media Lab

Aug 2018-now

Ph.D. Research

Advisor: Prof. Yebin Liu

- NormalGAN: 3D body reconstruction using RGB-D camera, depth denoising and refinement.
- FaceVerse: building the high-fidelity Chinese 3D face morphable Model (3DMM) using a hybrid dataset.

LEADERSHIP AND ACTIVITIES

Student Union, Department of Physics | Vice President

Jul 2016 – June 2017

- Responsible for the life rights and interests of students in our department
- Responsible for the financial management and materials management of the student union

SKILLS

Languages: Chinese, English, Japanese

Programming Languages: C&C++ (OpenGL/CUDA), Python, Java, Matlab

Deep Learning Platforms: PyTorch, TensorFlow

Solid mathematics and physics knowledge

Solid computer programming skills

Programming experience in Computer Vision, Computer Graphics and Machine Learning