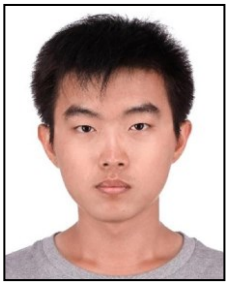
Lizhen Wang 王立祯



Ph.D. Student at Tsinghua University

Sex: Male Birthday: 1996.11.17
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Address: Tsinghua University, Beijing, 100084, P. R. China

EDUCATION

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

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

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