Lizhen Wang 王立祯

Sex: Male   Birthday: 1996.11.17
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EDUCATION

Hengshui High School   Aug 2011- Jun 2014
High school science student
Received the first-class reward in the Olympics Physics Competition in Hebei Province
Tsinghua University, Bachelor of Science   Aug 2014- July 2018
Major in Science of Mathematics and Physics, the Department of Physics
Received the study scholarship and social work scholarship of Tsinghua University
Tsinghua University, Ph.D. student   Aug 2018- Now
Major in Automatic Control Theory, the Department of Automation
Teaching assistant of Data Structure course

RESEARCH EXPERIENCES

Seminar Project | Broadband Network & Digital Media Lab | Tsinghua University
                                                                                      Apr 2016- July 2018
Advisor: Yebin Liu, associate professor in the Department of Automation, Tsinghua University
➢   Programing in the field of 3D reconstruction of scenes and human bodies
➢   The depth map denoising and refinement for consumer RGBD camera
➢   3D face reconstruction and style transfer
Summer Internship | Graphics & AI Lab | The University of Texas at Austin
                                                                                      July 2017- Sep 2017
Advisor: Qixing Huang, assistant professor from Department of Computer Science, The University of Texas at Austin
➢   Manifold CNN structure for 3D objects
Ph.D. Research | Institute for Brain and Cognitive Sciences | Tsinghua University
                                                                                      Aug 2018-now
Advisor: Yebin Liu, associate professor in the Department of Automation, Tsinghua University
➢   3D body reconstruction using depth camera, depth denoising and refinement
➢   3D face reconstruction
➢   StyleGAN-based face avatar
Research Intern | Biometric technologies Group | Ant Financial Services Group (Alibaba Group)
                                                                                      June 2020-now
➢   3D face morphable model

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

Solid mathematics and physics knowledge
Solid computer programming skills
Languages: Chinese, English, Japanese
Programming Languages: C&C++, Python, Java, Matlab
Deep Learning Platforms: TensorFlow, PyTorch
Programming experience in Computer Vision, Computer Graphics and Machine Learning

PUBLICATIONS

[1] **Lizhen Wang**, Xiaochen Zhao, Tao Yu and Yebin Liu, *NormalGAN: Learning Detailed 3D Human from a Single RGB-D Image*, ECCV, 2020
[2] 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*, ECCV, 2018