

Lizhen Wang 王立祯

Sex: Male Birthday: 1996.11.17

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



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