LUYANG ZHU

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EDUCATION

University of Washington, Seattle, WA, USA　　　　　　　　　　　Sept. 2018-Present
Ph.D. in Computer Science
Advisor: Ira Kemelmacher-Shlizerman, Steve Seitz, Brian Curless

Peking University, Beijing, China　　　　　　　　　　　　　Sept. 2014-July 2018
B.S. in Computer Science, *Summa Cum Laude*
Advisor: Yizhou Wang

PUBLICATIONS

1. **Luyang Zhu**, Yingwei Li, Nan Liu, Hao Peng, Dawei Yang, Ira Kemelmacher-Shlizerman, M&M VTO: Multi-Garment Virtual Try-On and Editing, CVPR, 2024.
2. **Luyang Zhu**, Dawei Yang, Tyler Zhu, Fitsum Reda, William Chan, Chitwan Saharia, Mohammad Norouzi, Ira Kemelmacher-Shlizerman, TryOnDiffusion: A Tale of Two UNets, CVPR, 2023.
3. **Luyang Zhu**, Arsalan Mousavian, Yu Xiang, Hammad Mazhar, Jozef van Eenbergen, Shoubhik Debnath, Dieter Fox, RGB-D Local Implicit Function for Depth Completion of Transparent Objects, CVPR, 2021.
4. **Luyang Zhu**, Konstantinos Rematas, Brian Curless, Steve Seitz, and Ira Kemelmacher-Shlizerman, Reconstructing NBA players, ECCV, 2020. (Spotlight)
5. Georgios Pavlakos, **Luyang Zhu**, Xiaowei Zhou, Kostas Daniilidis, Learning to Estimate 3D Human Pose and Shape from a Single Color Image, CVPR, 2018.

RESEARCH EXPERIENCE

Research Assistant, University of Washington　　　　　　　　　Sept. 2018-Present
Advisor: Ira Kemelmacher-Shlizerman, Brian Curless, Steven Seitz

Reconstruct Basketball Players from a Single Image
Physics Based Neural Motion Reconstruction
Diffusion models for Virtual Try-on

Research Assistant, University of Pennsylvania　　　　　　　　June 2017-Nov. 2017
Advisor: Kostas Daniilidis

Learning to Estimate 3D Human Pose and Shape from a Single Color Image
Shape and Pose Prediction with Multi-view Depth Representation

Research Assistant, Peking University　　　　　　　　　　　Sept. 2016-June 2017
Advisor: Yizhou Wang

Depth Estimation and Semantic Segmentation from a Single Image using Generative Adversarial Network (GAN)

WORKING EXPERIENCE

Research Intern, NVIDIA　　　　　　　　　　　　　　　June. 2020 - Sept 2020
Advisor: Arsalan Mousavian, Yu Xiang, Dieter Fox

Neural implicit representation for depth completion of transparent objects.

Research Intern, Adobe   June. 2021 - Sept 2021

Advisor: Ruben Villegas, Jimei Yang, Jun Saito, Aaron Hertzmann

Learning physics-based human motion prior with VAE.

Student Researcher, Google   June. 2022 - Now

Advisor: Dawei Yang, Ira Kemelmacher-Shlizerman

Diffusion Models for Virtual Try-On.

SELECTED AWARDS AND HONORS

University of Washington Reality Lab Fellowship, University of Washington	2018-2022
B.S. degree with *Summa Cum Laude*, Peking University	2018
Excellent Graduate, Peking University	2018
MCM/ICM Interdisciplinary Contest in Modeling® Finalist(0.4%, 11/3663)	2017
Award for Excellent Research Performances, Peking University	2016-2017
Kwang-Hua Scholarship(Top 10%), Peking university	2016-2017
Award for Excellent Research Performances, Peking University	2015-2016
Kwang-Hua Scholarship(Top 10%), Peking university	2015-2016
Award for Excellent Academic Performances, Peking University	2014-2015
Kwang-Hua Scholarship(Top 10%), Peking university	2014-2015

TEACHING

Teaching Assistant, University of Washington   Autumn 2022

CSE490G1 Introduction to Deep Learning

Teaching Assistant, University of Washington   Spring 2021

CSE481V VR Capstone

ACADEMIC SERVICE

Reviwer for CVPR, ECCV, ICCV, SIGGRAPH, SIGRAPH ASIA	2022-

SKILLS

Programming languages: Python, C/C++, CUDA, HTML
Tools: Jax, Pytorch, Apache beam.