Yushi Lan | Curriculum Vitae

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EDUCATION

School of Computer Science and Engineering, Nanyang Technological University (NTU)　　　*08/2020-PRESENT*

Ph.D. Candidate in Computer Science, Multi-Media Lab (MMLab) at NTU

Advisor: Prof. Chen Change Loy

Beijing University of Posts and Telecommunications (BUPT)　　　*08/2016-07/2020*

B.E. in Software Engineering, Overall GPA: 3.85/4.0, Major GPA：3.89/4.0

Affiliated with Ye-PeiDa Honors College (Top 1% of 3600 undergraduates)

RESEARCH INTERESTS

Neural rendering, 3D Generative Model, 3D avatar, shape analysis, inverse graphics.

PUBLICATIONS

Junzhe Zhang*, **Yushi Lan***, Shuai Yang, Fangzhou, Hong, Quan Wang, Chai Kiat Yeo, Ziwei Liu, Chen Change Loy, **"**DeformToon3D: Deformable 3D Toonification from Neural Radiance Fields", *The International Conference on Computer Vision (ICCV) 2023*

Yushi Lan, Xuyi Meng, Shuai Yang, Chen Change Loy, Bo Dai, "GAN-Supervised Geometry-Aware Encoder for Style-Based 3D GAN Inversion", *The IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR) 2023*

Fangzhou Hong, Zhaoxi Chen, **Yushi Lan**, Liang Pan, Ziwei Liu, "EVA3D: Compositional 3D Human Generation From 2D Image Collections", *The International Conference on Learning Representations (ICLR) Spotlight 2023*

Yushi Lan, Chen Change Loy, Bo Dai, "Correspondence Distillation from NeRF-based GAN", *International Journal of Computer Vision (IJCV) 2022*

Yushi Lan, Yuan Liu, Xinchi Zhou, Maoqing Tian and Hongsheng Li, "MagnifierNet: Towards Semantic Adversary and Fusion for Person Re-identification", *The British Machine Vision Conference (BMVC) 2020*

EXPERIENCES

Research Intern, Google AR　　　**Mountain View & Waterloo**

Mentor: Dr. Feitong Tan. Teams: Dr. Yinda Zhang and Dr. Kyle Genova and Prof. Thomas A. Funkhouser.　　*07/2023 –12/2023*

➢　Research on conditional, fine-grained and animatable diffusion model of 3D avatar via 3D neural gaussians.

MMLab@NTU | PhD Candidate　　　**Singapore**

Advisor: Prof. Chen Change Loy　　　*08/2020 – Present*

➢　Research on improving the generalization of neural scene representations.

Research Intern, MSRA (System Research Group)　　　**Beijing**

Advisor: Hui Xue　　　*11/2019 – 05/2020*

➢　Researching on Efficient Optimization of Graph Convolution Network on Large Graphs.

Research Assistant, Computational Visualization Center　　　**UT Austin**

Advisor: Prof. Chandrajit Bajaj　　　*07/2019 -11/2019*

➢　Research on Hierarchical ResUnet for Semantic Segmentation on microscopy cell and tissues.

Research Intern, SenseTime Research　　　**Beijing**

Advisor: Dr. Shuai Yi. Teams: Prof. Hongsheng Li　　　*03/2019-11/2019*

➢　Research on the representation alignment in the task of cross-camera person retrieval (ReID) using semantic regularizations.

Bachelor Thesis, Data Intelligence Group (DIG)　　　**BUPT**

Advisor: Asst Prof. Yinxia Shao　　　*10/2019 –05/2020*

➢　Research on Community Detection with Dynamic Graph Convolution Networks.

Exchange Student, Wolfson College　　　**University of Cambridge**

BUPT - Cambridge University exchange program (Top 0.5% of 3600 undergraduates)　　　*08/2018*

AWARDS

Academic Outstanding Scholarship, Top 5% of BUPT for 3 consecutive years	*2016-2019*
National Award, BUPT Undergraduate Research Innovative Projects (top 2%)	*2019*
Finalist, China College Student's Innovation Competition (top 5%)	*2018*
Scholarship, Ansheng.Wang Foundation Elite Award (top 5%)	*2017*

OTHER SERVICES

- Technical paper reviewer
  - Computer Vision and Pattern Recognition (CVPR)
  - European Conference on Computer Vision (ECCV)
  - International Conference on Computer Vision (ICCV)
  - International Conference on Learning Representations (ICLR)
  - Conference on Neural Information Processing Systems (Neurips)
  - International Conference on Machine Learning (ICML)
  - ACM SIGGRAPH
  - International Conference on Artificial Intelligence and Statistics (AISTATS)
  - AAAI Conference on Artificial Intelligence (AAAI)
- Teaching Assistant
  - CZ3001: Advanced Computer Architecture, NTU Fall 2021 – 2022
  - CE7491: Digital Image Processing, NTU Fall 2021 – 2022
  - CE7454: Deep Learning, NTU Spring 2021