Yang(Marino) Li

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EDUCATION

Hong Kong University of Science and Technology   Guangzhou, CN
Master of Philosophy, Artificial Intelligence   *Aug 2022 — Oct 2024*
- Supervisor: Dr. Ying-Cong Chen, co-supervised by Dr. Dan Xu (Clear Water Bay), and Dr. Yongwei Wu (Tsinghua University)
- Thesis: Neural 3D Reconstruction of Reflective Objects

Sun Yat-sen University   Guangzhou, CN
Bachelor of Science, Mathematics and Applied Mathematics   *Aug 2018 — Jun 2022*
- Thesis: Sim2Real Segmentation for Autonomous Driving

WORK EXPERIENCE

LightSpeed Studios, IEG Group, Tencent   Mar 2025 — Present
Research Intern   *Shenzhen, CN*
- Doing research on **Large Generative 3D Models**. We are developing a universal 3D asset generation framework designed to seamlessly integrate with the down-streaming game development pipeline.
- Mentor: Dr. Zeyu Hu and Dr. Runze Zhang

Media Computing Group, Microsoft Research Lab - Asia, Microsoft   Jun 2024 — Feb 2025
Research Intern   *Beijing, CN*
- Doing research on **Neural 3D Representation from Unposed Videos**. We proposed some online generalizable 3DGS reconstruction methods for monocular videos, which transform videos to 3D Gaussians within seconds.
- Mentor: Dr. Jinglu Wang and Dr. Xiao Li

Optical Imaging Research Group, SmartMore   Jun 2022 — May 2024
Research Intern   *Shenzhen, CN*
- Doing research on **Neural 3D Reconstruction with Polarization Cues**. We developed a low-cost and accurate multi-view 3D reconstruction pipeline dedicated for reflective objects with physics information.
- Mentor: Dr. Jiangbo Lu and Dr. Nianjuan Jiang

BME AI Lab, SYSU   Mar 2021 — Nov 2021
Research Assistant   *Guangzhou, CN*
- Doing research on **Nasopharyngeal Carcinoma Segmentation in Magnetic Resonance Imaging**. We enhanced the accuracy of existing tumor region segmentation methods, facilitating precise radiotherapy treatments.
- Supervisor: Dr. Zhifan Gao

PUBLICATIONS

Under Review

[Arxiv '25]   Shiu-hong Kao, Xiao Li, Jinglu Wang, **Yang Li**, Chi-Keung Tang, Yu-Wing Tai, Yan Lu. UVRM: A Scalable 3D Reconstruction Model from Unposed Videos. *arXiv:2501.09347*, 2025.

[Arxiv '25]   **Yang Li**, Jinglu Wang, Lei Chu, Xiao Li, Shiu-hong Kao, Ying-Cong Chen, Yan Lu. StreamGS: Online Generalizable Gaussian Splatting Reconstruction for Unposed Image Streams. *arXiv:2503.06235*, 2025.

[Arxiv '24]   Shuai Yang, Yuying Ge, **Yang Li**, Yukang Chen, Yixiao Ge, Ying Shan, Yingcong Chen. SEED-Story: Multimodal Long Story Generation with Large Language Model. *arXiv:2407.08683*, 2024.

Peer-reviewed

[ICLR '24]   **Yang Li**, Ruizheng Wu, Jiyong Li, Yingcong Chen. GNeRP: Gaussian guided Neural Reconstruction of Reflective Objects with Noisy Polarization Priors. *International Conference on Learning Representations (ICLR)*, 2024.

[AAAI '24]   Jiyong Li, Dilshod Azizov, **Yang Li**, Shangsong Liang. Contrastive Continual Learning with Importance Sampling and Prototype-Instance Relation Distillation. *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 2024.

[Journal '24]   **Yang Li**, Guanghui Han, Xiujian Liu. DCNet: Densely Connected Deep Convolutional Encoder Decoder Network for Nasopharyngeal Carcinoma Segmentation. *Sensors 2021, 21(23), 7877*, 2021.

Awards

Ph.D. Fellowship, Rutgers University–New Brunswick   2025

Star of Tomorrow Award, Microsoft Research Asia, Microsoft   2025

McGill & Mila Quebec Ph.D. Fellowship, McGill University   2024

Postgraduate Scholarship, HKUST, GZ   2024

Sun Yat-sen Excellent Student Scholarship, Sun Yat-sen University   2019

Skills

- **Programming Languages**: Python, PyTorch, TensorFlow, MATLAB

References

- Jiangbo Lu, Co-founder & CTO, SmartMore Corporation
- Yongwei WU *IEEE Fellow*, Professor, Vice Head, Department of Computer Science and Technology, Tsinghua University
- Yingcong Chen, Assistant Professor, AI Thrust, HKUST, GZ; Assistant Professor, Department of Computer Science & Engineering, HKUST, CWB