

# Yang(Marino) Li

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## EDUCATION

### Hong Kong University of Science and Technology

Master of Philosophy, Artificial Intelligence

Guangzhou, CN

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

Bachelor of Science, Mathematics and Applied Mathematics

Guangzhou, CN

Aug 2018 — Jun 2022

- Thesis: Sim2Real Segmentation for Autonomous Driving

## WORK EXPERIENCE

### LightSpeed Studios, IEG Group, Tencent

Research Intern

Mar 2025 — Present

Shenzhen, CN

- Doing research on **Large Generative 3D Models**.
- Mentor: Dr. Zeyu Hu and Dr. Runze Zhang

### Media Computing Group, Microsoft Research Lab - Asia, Microsoft

Research Intern

Jun 2024 — Feb 2025

Beijing, CN

- Doing research on **Neural 3D Representation from Unposed Videos**. We proposed some online generalizable 3DGS reconstruction methods for unposed image streams, which progressively transform videos to 3D Gaussian streams within seconds.
- Mentor: Dr. Jinglu Wang and Dr. Xiao Li

### Optical Imaging Research Group, SmartMore

Research Intern

Jun 2022 — May 2024

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

Research Assistant

Mar 2021 — Nov 2021

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