

# Yang(Marino) Li

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## EDUCATION

### Hong Kong University of Science and Technology, Guangzhou

*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)
- 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, Tencent

Research Intern

Mar 2025 — Present

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. [Yuhan Wang](#)

### 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 monocular videos, which transform videos to 3D Gaussians 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. [demo](#)
- [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. [code](#)

### 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. [project page](#)
- [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**

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<b>Ph.D. Fellowship</b> , Rutgers University–New Brunswick	2025
<b>Star of Tomorrow Award</b> , Microsoft Research Asia, Microsoft	2025
<b>McGill &amp; Mila Quebec Ph.D. Fellowship</b> , McGill University	2024
<b>Postgraduate Scholarship</b> , HKUST, GZ	2024
<b>Sun Yat-sen Excellent Student Scholarship</b> , Sun Yat-sen University	2019

**SKILLS**

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