

## RESEARCH INTERESTS

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**Algorithm:** Generative Model, Foundation Model, Neural Rendering, Efficient Training  
**Interdisciplinary Application:** AI4Space, AI4Med, AI4Science

## EDUCATION

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**The Chinese University of Hong Kong (CUHK)** Aug. 2023 - Now  
Ph.D., Electronic Engineering Advisor: Prof. [Yixuan Yuan](#)

**Xiamen University (XMU)** Sep. 2019 - Jun. 2022  
M.S., Information & Communication Engineering Advisor: Prof. [Xinghao Ding](#)&Prof. [Yue Huang](#)

**Xiamen University (XMU)** Sep. 2015 - Jun. 2019  
B.S., Information & Communication Engineering GPA: 3.72/4.0

## SELECTED PUBLICATIONS&MANUSCRIPTS

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**ACM MM 2024 (Accepted)**<sup>1</sup> [\[page\]](#): Y. Huang\*, [C. Li](#)<sup>†</sup>, Z. Lin, H. Liu, H. Xu, Y. Liu, Y. Huang, X. Ding, Y. Yuan, “P<sup>2</sup>SAM: Probabilistically Prompted SAMs Are Efficient Segmentator for Ambiguous Medical Images”.

**ECCV 2024 (Accepted)** [\[page\]](#): [C. Li](#), X. Liu, C. Wang, Y. Liu, W. Yu, J. Shao, Y. Yuan, “GTP-4o: Modality-prompted Heterogeneous Graph Learning for Omni-modal Biomedical Representation”.

**Preprint 2024** [\[page\]](#): [C. Li](#)\*, X. Liu\*, W. Li\*, C. Wang\*, H. Liu, Y. Yuan, “U-KAN Makes Strong Backbone for Medical Image Segmentation and Generation”.

**Preprint 2024** [\[page\]](#): [C. Li](#)\*, H. Liu\*, Z. Fan, W. Li, Y. Liu, P. Pan, Y. Yuan, “GaussianStego: A Generalizable Stenography Pipeline for Generative 3D Gaussians Splatting”.

**MICCAI 2024 (Accepted)** [\[page\]](#): [C. Li](#)\*, H. Liu\*, Y. Liu\*, B. Feng, W. Li, X. Li, Z. Chen, J. Shao, Y. Yuan, “Endora: Video Generation Models as Endoscopy Simulators”.

**MICCAI 2024 (Accepted)** [\[page\]](#): [C. Li](#), B. Feng, Y. Liu, H. Liu, C. Wang, W. Yu, Y. Yuan, “EndoSparse: Real-Time Sparse View Synthesis of Endoscopic Scenes using Gaussian Splatting”.

**MICCAI 2024 (Accepted)** [\[page\]](#): H. Liu\*, Y. Liu\*, [C. Li](#)\*, W. Li, X. Li, Y. Yuan, “LGS: A Light-weight 4D Gaussian Splatting for Efficient Surgical Scene Reconstruction”.

**Preprint 2024** [\[page\]](#): Y. Liu\*, [C. Li](#)\*, C. Yang, Y. Yuan, “EndoGaussian: Real-time Gaussian Splatting for Dynamic Endoscopic Scene Reconstruction”.

**3DV 2024** [\[page\]](#): P. Pan, Z. Fan, B. Feng, P. Wang, [C. Li](#), Z. Wang, “Cas6D: Learning to Estimate 6DoF Pose from Limited Data: A Few-Shot, Generalizable Approach using RGB Images”, International Conference on 3D Vision.

**ICCV 2023** [\[link\]](#): [C. Li](#)\*, B. Feng\*, Z. Fan\*, P. Wang, Z. Wang, “StegaNeRF: Embedding Invisible Information within Neural Radiance Fields”, IEEE International Conference on Computer Vision.

**ICASSP 2023** [\[link\]](#): Y. Liu\*, [C. Li](#)\*, X. Tu, Y. Huang, X. Ding “Hint-Dynamic Knowledge Distillation”, IEEE International Conference on Acoustics, Speech, and Signal Processing.

**ECCV 2022** [\[link\]](#): [C. Li](#), M. Lin, Z. Ding, N. Lin, Y. Zhuang, X. Ding, Y. Huang, L. Cao, “Knowledge Condensation Distillation”, European Conference on Computer Vision.

**ICONIP 2022** [\[link\]](#): Z. Ding, Q. Dong, H. Xu, [C. Li](#), X. Ding, Y. Huang, “Unsupervised Anomaly Segmentation for Brain Lesions Using Dual Semantic-Manifold Reconstruction”, International Conference on Neural Information Processing.

**MICCAI 2021** [\[link\]](#): Y. Zhang\*, [C. Li](#)\*, X. Lin, L. Sun, Y. Zhuang, Y. Huang, X. Ding, Y. Yu, “Generator Versus Segmentor: Pseudo-healthy Synthesis”, International Conference on Medical Image Computing and Computer Assisted Intervention.

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<sup>1</sup>\* My equal contribution    † My advising contribution

**ICIP 2021** [[link](#)]: **C. Li**, Y. Zhang, Z. Liang, X. Ding, Y. Huang, “Consistent Posterior Distributions under Vessel-Mixing: A Regularization for Cross-Domain Retinal Artery/Vein Classification”, IEEE International Conference on Image Processing.

**CIKM 2021** [[link](#)]: Z. Liang, Y. Rong, **C. Li**, Y. Zhang, Y. Huang, T. Xu, X. Ding, J. Huang, “Unsupervised Large-Scale Social Network Alignment via Cross Network Embedding”, Conference on Information and Knowledge Management.

**NCA 2021** [[link](#)]: **C. Li**, W. Ma, L. Sun, Y. Huang, X. Ding, Y. Huang, G. Wang, Y. Yu, “Hierarchical Deep Network with Uncertainty-aware Semi-supervised Learning for Vessel Segmentation”, Neural Computing and Applications.

**CBM 2021** [[link](#)]: **C. Li**, Q. Qi, X. Ding, Y. Huang, D. Liang, Y. Yu, “Domain Generalization on Medical Imaging Classification using Episodic Training with Task Augmentation”, Computers in Biology and Medicine.

**CBM 2021** [[link](#)]: L. Sun\*, **C. Li**\*, X. Ding, Y. Huang, G. Wang, Y. Yu, “Few-shot Medical Image Segmentation using a Global Correlation Network with Discriminative Embedding”, Computers in Biology and Medicine.

## SELECTED EXPERIENCE

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**AIM Group, The Chinese University of Hong Kong (CUHK)** Apr. 2023 - July. 2023  
Research Assistant at *Creative 2D/3D Vision*, Advisor: Prof. [Yixuan Yuan](#)

**VITA Group, University of Texas Austin** Jul. 2022 - Jan. 2023  
Research Assistant at Neural Radiance Field, Advisor: Prof. [Atlas Wang](#)

**Deepwise** Jan. 2021 - Oct. 2021  
Research Intern at *Image segmentation*, Advisor: Prof. [Yizhou Yu](#)

**SmartDSP Lab, Xiamen University (XMU)** Sep. 2018 - Aug. 2019  
Research Assistant at *Image segmentation*, Advisor: Prof. [Xinghao Ding](#)

## SELECTED HONORS & AWARDS

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- [Outstanding Master’s Thesis of Fujian Province](#) Jun. 2022
- Outstanding Graduates of Xiamen University Jun. 2022
- Dean’s Honor List, Xiamen University May. 2017

## SELECTED TALKS

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- “What Makes Strong Backbone for Medical Scene Segmentation, Generation and Simulation?” at DAMTP, University of Cambridge Jul. 2024
- “StegaNeRF: Embedding Invisible Information within Neural Radiance Fields” at AIxMed, Massachusetts General Hospital and Harvard Medical School Jul. 2023

## SELECTED SERVICES

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**Conference Reviewer:** ICML’24, ICLR’24, NeurIPS’24/23, CVPR’24/23, ICCV’23, ECCV’24, ACM MM’23, MICCAI’24/23

**Journal Reviewer:** TIP, DMLR, PR, TNNLS, NCA