

Bingyu Xin



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SUMMARY

I'm a Computer Science Ph.D. student supervised by [Dimitris Metaxas](#) at Rutgers University. My research primarily focuses on accelerated magnetic resonance (MR) image reconstruction algorithms.

PUBLICATIONS

- [1] Bingyu Xin, Yifan Hu, Yefeng Zheng, and Hongen Liao. "Multi-modality Generative Adversarial Networks with Tumor Consistency Loss for Brain MR Image Synthesis". In: *IEEE 17th international symposium on biomedical imaging (ISBI)*. 2020.
- [2] Bingyu Xin, Timothy Phan, Leon Axel, and Dimitris Metaxas. "Learned Half-Quadratic Splitting Network for MR Image Reconstruction". In: *International Conference on Medical Imaging with Deep Learning (MIDL)*. 2022.
- [3] Bingyu Xin, Meng Ye, Leon Axel, and Dimitris N Metaxas. "Fill the K-Space and Refine the Image: Prompting for Dynamic and Multi-Contrast MRI Reconstruction". In: *International Workshop on Statistical Atlases and Computational Models of the Heart, MICCAI workshop*. 2023.

AWARDS

1st place awards on both Cine and T1/T2 Mapping tasks for cardiac MR reconstruction in the [CM-RxRecon Challenge](#) during MICCAI 2023. [\[code\]](#)

EDUCATION

2020 - present	Ph.D. Computer Science at Rutgers University	NJ, USA
2017 - 2020	M.Eng. Biomedical Engineering at Tsinghua University	Beijing, China
2013 - 2017	B.Eng. Electronic Engineering at Wuhan University	Wuhan, China