ZIXUAN PAN

Phone: (574) 401-5754 Email: zpan3@nd.edu

EDUCATION

University of Notre Dame

Ph.D. in Computer Science and Engineering

- GPA: 4.00/4.00
- Advisor: Prof. Yiyu Shi

Zhejiang University

B.E. in Information Engineering

• GPA: 3.94/4.00

Notre Dame, IN Sep 2022 – Jun 2027 (Expected)

> Hangzhou, China Sep 2018 – Jun 2022

PUBLICATIONS

- **Zixuan Pan**, Jianxu Chen, and Yiyu Shi. "Masked diffusion as self-supervised representation learner." *arXiv preprint arXiv:2308.05695* (2023).
- Shunjie Dong, **Zixuan Pan**, Yu Fu, Dongwei Xu, Kuangyu Shi, Qianqian Yang, Yiyu Shi, and Cheng Zhuo. "Partial Unbalanced Feature Transport for Cross-Modality Cardiac Image Segmentation." *IEEE Transactions on Medical Imaging* (2023).
- Shunjie Dong, **Zixuan Pan**, Yu Fu, Qianqian Yang, Yuanxue Gao, Tianbai Yu, Yiyu Shi, and Cheng Zhuo. "DeU-Net 2.0: Enhanced deformable U-Net for 3D cardiac cine MRI segmentation." *Medical Image Analysis* 78 (2022): 102389.

RESEARCH EXPERIENCE

University of Notre Dame	Notre Dame, IN	
Research Assistant (Advised by Prof. Yiyu Shi and Prof. Jianxu Chen)	Sep 2022 – Present	
 Investigated self-supervised learning techniques for utilizing large-scale unl Developed a label-efficient semantic segmentation algorithm 	abeled data	
Zhejiang University	Hangzhou, China	
Research Intern (Advised by Prof. Cheng Zhuo)	Sep 2020 – Jun 2022	
Developed methods for medical image domain adaptation and 3D segmentation problems		

SELECTED AWARDS & RECOGNITIONS

•	University of Notre Dame CSE Select Fellowship	2022
•	Outstanding B.S. in Zhejiang University	2022
•	Outstanding Bachelor Thesis in Zhejiang University	2022
•	Meritorious (First Prize), International Interdisciplinary Contest in Modeling (ICM	I) 2021
•	Zhejiang University Scholarships20	019, 2020, 2021

SKILLS

• Programming languages: C/C++, MATLAB, Python, R, Verilog

• Languages: Mandarin Chinese (native), English (proficient)