

Zhao Wang

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EDUCATION

The Chinese University of Hong Kong (CUHK) *Aug. 2021 – Jul. 2025 (expected)*
Ph.D. Student, Department of Computer Science and Engineering *Shatin, Hong Kong*

- **Advisor:** Prof. [Qi Dou](#)

Zhejiang University (ZJU) *Sep. 2017 – Jun. 2021*
B.Eng., College of Information Science and Electronic Engineering *Hangzhou, China*

- **Thesis:** Semi-supervised Medical Image Segmentation and Classification
- **Advisor:** Prof. [Honggang Zhang](#)

University of California, San Diego (UCSD) *Feb. 2020 – May. 2020*
Visiting Student, Department of Electrical and Computer Engineering *La Jolla, CA*

- **Topic:** Medical Imaging Generation
- **Advisor:** Prof. [Pengtao Xie](#)

RESEARCH INTERESTS

My current research interests lie in **computer vision** and **machine learning**, specifically, including the following topics:

- Semi/Weak/Un-supervised learning for annotation efficient learning
- Multi/Cross-site learning for improving model generalization ability
- Medical image analysis from a clinical perspective

PUBLICATIONS

[Google Scholar Profile](#)

Journal

- [J1] **Zhao Wang**, Quande Liu, Qi Dou. “Contrastive Cross-site Learning with Redesigned Net for COVID-19 CT Classification”. *IEEE Journal of Biomedical and Health Informatics (JBHI, IF: 5.772)*, 2020. [\[paper\]](#)

Conference

- [C1] Nan Lu, **Zhao Wang**, Xiaoxiao Li, Gang Niu, Qi Dou, Masashi Sugiyama. “Unsupervised Federated Learning is Possible: A Case of Class-Conditional-Sharing Clients”. *International Conference on Learning Representations (ICLR)*, 2022. [\[paper\]](#)
- [C2] Jiaping Hu*, **Zhao Wang***, Lijie Zhong, Keyan Yu, Yanjun Chen, Yingjie Mei, Qi Dou, Xiaodong Zhang. “Identification of Bone Marrow Lesions on Magnetic Resonance Imaging with Weakly Supervised Deep Learning”. *International Society for Magnetic Resonance in Medicine Annual Meeting & Exhibition (ISMRM)*, 2021. [\[paper\]](#)

Manuscript

- [M1] **Zhao Wang**, Quande Liu, Jing Qin, Pheng-Ann Heng, Xiaodong Zhang, Qi Dou. “CIRPL: Contrastive Interaction through Reliable Pseudo Labels for Semi-supervised 3D MRI Segmentation”. *Under submission at IEEE Journal of Biomedical and Health Informatics (JBHI, IF: 5.772)*, 2022.

SELECTED AWARDS

- Top 10 Research Nomination Award, ZJU *2021*
Highest honor for only **top 20**/50k+ students among all undergraduates and graduates
- Honorable Winner, Mathematical Contest in Modeling (MCM) *2020*
- 2nd Prize, The 14th College Student Robot Competition, ZJU (Ranking: **6**/200+ teams) *2018*
- Northwest A & F University Scholarship (Ranking: **2**/1000+ high school students) *2016*
- 1st Prize, Chinese Physics Olympiad (CPhO, Province Level, Top **0.1%**) *2016*

PROFESSIONAL SERVICES

- Conference Reviewer: IPCAI 2022
- Journal Reviewer: IEEE TMI, IEEE JBHI, Frontiers in AI, Scientific Reports

TEACHING

Teaching Assistant:

- CSCI1030 Hands-On Introduction to Java Spring 2022
- CSCI3230 Fundamentals of Artificial Intelligence (with Elite-Mirror ESTR 3108) Fall 2021

MENTORING

- Daniel Yik Hong Cai (CUHK yr3 undergraduate) 2021-present
- Haonan Bai (CUHK yr1 undergraduate) 2021-present