

Zhao Wang

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EDUCATION

The Chinese University of Hong Kong

Doctor of Philosophy in Computer Science and Engineering

Aug. 2021 – Jul. 2025 (expected)

Shatin, Hong Kong

- **Advisor:** Prof. *Qi Dou*

Zhejiang University

Bachelor of Engineering in Electronic Engineering

Sep. 2017 – Jun. 2021

Hangzhou, China

- **Thesis:** Semi-supervised Medical Image Segmentation and Classification
- **Advisor:** Prof. *Honggang Zhang*

University of California, San Diego

Visiting Student

Feb. 2020 – May. 2020

La Jolla, CA

- **Topic:** Medical Imaging Generation
- **Advisor:** Prof. *Pengtao Xie*

RESEARCH INTERESTS

My research interests lie in **computer vision** and **machine learning** with applications for surgical robotics, specifically, including following topics:

- Self/Semi-supervised learning for annotation free/efficient learning
- Multi/Cross-site learning for deep model generalization ability
- Robotic learning from a surgery perspective

PUBLICATIONS

Google Scholar Profile

Note: * indicates equal contributions.

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] 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. [\[paper\]](#)

Manuscripts

- [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 review*, 2021.

TEACHING

- CSCI3230 Fundamentals of Artificial Intelligence

Fall 2021

SELECTED AWARDS

- CUHK Postgraduate Studentship 2021 – 2025
- The Outstanding Graduates Award, Zhejiang University 2021
- Zhejiang University Top 10 Research Nomination Award 2021
Highest honor for only **top 20**/50k+ students among all undergraduates and graduates
- Honorable Winner, Mathematical Contest in Modeling (MCM) 2020
- Northwest A & F University Scholarship (Ranking: 1/1000+ high school students) 2016
- 1st Prize, Chinese Physics Olympiad (CPhO, Province Level, Top **0.1%**) 2016

PROFESSIONAL SERVICES

Journal Reviewer:

- IEEE Transactions on Medical Imaging (TMI)
- IEEE Journal of Biomedical Health and Informatics (JBHI)
- Frontiers in Artificial Intelligence
- Scientific Reports

EXTRACURRICULAR ACTIVITIES

Zhequ Company, Ltd.

Technical Staff

Dec. 2019 – Jun. 2021

Hangzhou, China

CC98 Forum, Zhejiang University

Technical Staff

Mar. 2019 – Jun. 2021

Hangzhou, China

Hangzhou East Railway Station

Volunteer

Winter, 2018

Hangzhou, China

SKILLS

- **Programming Languages:** Python, C/C++, Bash, HTML/CSS, Javascript
- **Tools and Frameworks:** PyTorch, L^AT_EX, Vue, Git