

Zihao CHEN

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EDUCATION

Shanghai Jiao Tong University (SJTU)

Sep. 2018 - June 2022 (Expected)

B.S. in Biomedical Engineering, Zhiyuan Honors Program, GPA: 91 (2/72)

Courses: Biomedical Signals and System(97), Biomedical Image Processing(97), Advanced Medical Imaging and Intelligent Navigation(99), Artificial Intelligence and Medical Engineering(93), Machine Learning for Biomedical Signal Processing(92), Mechanisms and Control of Medical Robotics(94)

RESEARCH EXPERIENCE

Pancreatic Tumor Segmentation

PUBLICATION

- [3] DeepASDM: a Deep Learning Framework for Affine and Deformable Image Registration Incorporating a Statistical Deformation Model
Xiaoru Gao, Jeroen Van Houtte, **Zihao Chen**, and Guoyan Zheng.
IEEE EMBS International Conference on Biomedical and Health Informatics (BHI), 2021
- [2] An End-to-end Unsupervised Affine and Deformable Registration Framework for Multi-structure Medical Image Registration [Abstract]
Zihao Chen, Xiaoru Gao, and Guoyan Zheng
International Congress and Exhibition of Computer Assisted Radiology and Surgery (CARS), 2021
- [1] Model-driven Deep Learning Method for Pancreatic Cancer Segmentation Based on Spiral-transformation
Xiahan Chen, **Zihao Chen**, Jun Li, Yu-Dong Zhang, Xiaozhu Lin, and Xiaohua Qian
IEEE Transactions on Medical Imaging (TMI), 2021

MISCELLANEOUS

Honors

- Zhiyuan Honor Scholarship (5%) 2019, 2020
- Second-Class Scholarship (10%) 2018, 2019, 2020

Skills

- Programming: Python (Pytorch), Matlab, R, C++
- Professional tools: Git, Docker, Latex

Activities

- Deputy Director of Organization Department of the Students Union Dec. 2018 - Dec. 2019