

## Jiaxin Zhuang

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### Contact Information

Master of Computer Technology  
School of Data and Computer Science  
Sun Yat-sen University

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### Research Interests

Computer Vision.

### Education

[Sun Yat-sen University \(SYSU\)](#)  
School of Data and Computer Science  
M.Eng., in Computer Technology, GAP: 91/100 2018-Present

[Sun Yat-sen University](#)  
School of Data and Computer Science  
B.Sc., in the Software Engineering, GPA: 86/100 2014-2018

### Research Experience

Medical Image Analysis Group, [Intelligence Science and System Lab](#) 2018-Present

### Awards & Honors

- ISIC 2018: Skin Lesion Analysis Towards Melanoma Detection, Task 3 "Lesion Diagnosis", Rank-3 (out of 77 teams), 2018.
- Meritorious Winner, Mathematical Contest In Modeling, 2017.
- Molecular Screening of Drugs Based on Artificial Intelligence, 2018.
- ChaLearn LAP Large-scale Isolated Gesture Recognition Challenge (Round 2), Rank3, ICCV 2017.
- Scholarship, 2014-2015, 2018-2019.

### Publications

4. Deep kNN for medical image classification.  
**Jiaxin Zhuang**, Jiabin Cai, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng.  
In *Proceeding of the 23rd International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI)*. 2020.
3. Fusing Metadata and Dermoscopy Images for Skin Disease Diagnosis.  
Weipeng, Li\*, **Jiaxin Zhuang\***, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng.  
In *Proceedings of the 20th International Symposium on Biomedical Imaging (ISBI)*. 2020.
2. **CARE**: Class Attention to Regions of Lesion for Classification on Imbalanced Data.  
**Jiaxin Zhuang\***, Jiabin Cai\*, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng.  
In *Proceedings of the 2nd International Conference on Medical Imaging with Deep Learning (MIDL)*. 2019.
1. Auxiliary Decoder and Classifier for Imbalanced SkinDisease Diagnosis.  
Zili Xu, **Jiaxin Zhuang**, Rong Zhang, Ruixuan Wang, Xuemei Guo, Wei-Shi Zheng  
In *Proceedings of the 2nd International Conference on Artificial Intelligence and Computer Science*. 2020.