

JIAXIN ZHUANG

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EDUCATION

Sun Yat-sen University *August 2018 - Present*
Master of Computer Technology, School of Data and Computer Science **GPA: 91/100**

Sun Yat-sen University *August 2014 - June 2018*
Bachelor of Software Engineering, School of Data and Computer Science **GPA: 86/100**
Computer Vision, Interpretability, Data imbalanced, Medical Images Analysis

PUBLICATIONS AND MANUSCRIPTS

Publications

1. **CARE: Class Attention to Regions of Lesion for Classification on Imbalanced Data.**
Jiabin Cai*, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng.
In Proceedings of the 2nd International Conference on Medical Imaging with Deep Learning (MIDL), 2019. [\[Open Review\]](#)
2. Fusing Metadata and Dermoscopy Images for Skin Disease Diagnosis.
Weipeng, Li*, **Jiabin Zhuang***, Ruixuan Wang, Jianguo Zhang, Wei-Shi Zheng.
In Proceedings of the 20th International Symposium on Biomedical Imaging (ISBI), 2020. [\[PDF\]](#)

RESEARCH EXPERIENCE

Intelligence Science & System Lab *October 2017 - Present*
Master. Advisor: Prof. Ruixuan Wang & Wei-shi Zheng & Jianguo Zhang

Human Cyber Physical Intelligence Integration Lab *Feb 2017 - July 2017*
Research Intern. Advisor: Prof. Liang Lin

AWARDS AND HONORS

1. **Jiabin Zhuang***, Weipeng Li*, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. **Rank-3 (out of 77 teams)**, MICCAI 2018 grand challenge "ISIC 2018: Skin Lesion Analysis Towards Melanoma Detection", Task 3 "Lesion Diagnosis", 2018. Note: top 2 teams used additional public dataset to train models. [\[Code\]](#), [\[Report\]](#)
2. Ruoyu Lan, Wenbo Feng, **Jiabin Zhuang**. **Meritorious Winner, Mathematical Contest In Modeling**, 2017
3. Keyao Bing, Jiahao Rao, **Jiabin Zhuang**, Lishan Huang, Lin Meng. **Rank-10 (among 1117 teams)**, Molecular Screening of Drugs Based on Artificial Intelligence, 2018

TEACHING

Teaching Assistant, Deep Learning (Theory Course), Sun Yat-sen University *2019 Spring*
Teaching Assistant, Deep Learning (Practice Course), Sun Yat-sen University *2018 Spring*

SKILLS

- Programming Language: Python, C++, Shell, Linux
- Programming Environment: Linux + Vim + Tmux + SSH
- Tools: Pytorch, Tensorflow, LaTeX
- Language: Chinese (native), English (fluent)