

JIAXIN ZHUANG

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EDUCATION

Sun Yat-sen University

Master of Computer Technology, School of Data and Computer Science

August 2018 - Present

GPA: 91/100

Sun Yat-sen University

Bachelor of Software Engineering, School of Data and Computer Science

August 2014 - June 2018

GPA: 86/100

Computer Vision, Interpretability, Data imbalanced, Medical Images Analysis

PUBLICATIONS AND MANUSCRIPTS

Publications

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

Manuscripts

1. **Jiabin Zhuang***, Jiabin Cai*, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. Deep-kNN for Image Classification.
2. Interpretability for Convolutional networks.
3. Unsupervised Deep-Cluster for Image Recognition.

RESEARCH EXPERIENCE

Intelligence Science & System Lab

Master. Advisor: Prof. Ruixuan Wang & Wei-shi Zheng & Jianguo Zhang

October 2017 - Present

Human Cyber Physical Intelligence Integration Lab

Research Intern. Advisor: Prof. Liang Lin

Feb 2017 - July 2017

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: Python (PyTorch, Tensorflow), C++, Linux

Language: Chinese (native), English (fluent)