

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. **Jiabin Cai***, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. CARE: Class Attention to Regions of Lesion for Classification on Imbalanced Data. To appear in *the 2nd International Conference on Medical Imaging with Deep Learning(MIDL)*, 2019. [[Open Review](#)], [[Poster](#)], [[Slide](#)]

Manuscripts

1. **Jiabin Cai***, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. Deep-kNN for Image Classification.
2. **Jiabin Cai***, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. Unsupervised Deep-Cluster for Image Recognition.
3. Weipeng, Li*, **Jiabin Cai***, Ruixuan Wang, Jianguo Zhang, Wei-shi Zheng. Fusing Metadata and Dermoscopy Images for Skin Disease Diagnosis.

RESEARCH EXPERIENCE

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

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

AWARDS AND HONORS

1. **Jiabin Cai***, 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 Cai***. **Meritorious Winner, Mathematical Contest In Modeling**, 2017
3. Keyao Bing, Jiahao Rao, **Jiabin Cai***, Lishan Huang, Lin Meng. **Rank-10(among 1117 teams)**, Molecular Screening of Drugs Based on Artificial Intelligence, 2018

TEACHING

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

SKILLS

Programming: Python (PyTorch), C++, Linux bash
Language: Chinese (native), English (fluent)