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Zedong Wang

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Citations: 5, H-index: 1

Contribute: 1, Stars: 300

Short Biography

I am a fourth-year undergraduate student in Electronics Information Engineering at HUST. My research interests are within deep learning, efficient visual representation learning and cross-disciplinary AI applications. Currently, I am a research intern at CAIRI AI Lab (Prof. Stan Z. Li Lab), Westlake University. Previously, I worked on few-shot semantic segmentation under Prof. Xinggang Wang at HUST. I was a visiting student at Multimedia Laboratory (MMLab), Shenzhen Institute of Advanced Technology (SIAT), Chinese Academy of Sciences (CAS). I also conducted an internship at Key Lab of Digital Earth Science, CAS (2020 - 2021). My academic goal is to pursue solid and constructive AI research.

Education and Degrees

2019 – 2023 **B.Eng. in Electronics Information Engineering**, Huazhong University of Science and Technology.

- **The 1st year**, I focused on the development of modern science and the philosophical science to build a deep and clear recognition of the root of modern science & engineering by myself.
- **The 2nd and 3rd years**, I tried to go through diverse research fields such as complex network, machine learning, deep learning, computer vision across different labs. Finally, I determined my research interests within the scope of deep learning and computer vision.
- I have achieved good grades in AI-related courses: Engineering training (94/100), Software Project (92/100), Python programming (87/100), Machine Learning (85/100), Circuit Testing Lab (84/100) etc.

Research Experience

Jul. 2022 – Present **Research Intern**, CAIRI AI Lab (Prof. Stan Z. Li Lab), Westlake University

- (i) Mixup-related data augmentation methods. One of the direct contributors of OpenMixup (300 stars).
- (ii) Efficient visual backbone architecture design.
- (iii) AI for sgRNA gene editing applications.

Sep. 2021 – Jun. 2022 **Research Intern**, under Prof. Xinggang Wang, EIC, Huazhong University of Science and Technology.

Independent Few-shot Semantic Segmentation under Prof. Xinggang Wang.

Jul. 2021 – Sep. 2021 **Visiting Student**, MMLab, Shenzhen Institute of Advanced Tech. (SIAT), Chinese Academy of Sciences.

Semantic Segmentation research and vision model configuration under Dr. Bin Fu.

Sep. 2020 – Apr. 2021 **Research Intern**, Key Lab of Digital Earth Science, Chinese Academy of Sciences.

(i) Rudiment deep learning study; (ii) Remote Sensing building semantic segmentation under Dr. Xiaoping Du.

Publications

2022 **OpenMixup: Open Mixup Toolbox for Visual Representation Learning.**

Siyuan Li*, Zedong Wang*, Zicheng Liu, Di Wu, Stan Z Li. *: Equal Contribution

2022 **Efficient Multi-order Gated Aggregation Network.**

Siyuan Li*, Zedong Wang*, Zicheng Liu, Cheng Tan, Haitao Lin, Di Wu, Zhiyuan Chen, Jiangbin Zheng, Stan Z Li. *: Equal Contribution

Languages and Skills

Chinese (native), English (fluent). IELTS 7.0 Overall Grades.

Python DL Libraries, PyTorch, Python, Linux (basic),

L^AT_EX, English reading, writing & communication skills