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Zedong Wang

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Citations: 9, H-index: 2

Contribute: 1, Stars: 331

Short Biography

I am a fourth-year undergraduate student in Electronics Information Engineering at HUST. My research interests are within efficient visual recognition and cross-disciplinary AI applications. Currently, I am a visiting student in CAIRI AI Lab under Prof. Stan Z. Li at 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 goal is to pursue solid AI research that makes positive changes to the AI community.

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 went through various research aspects e.g., complex network, machine learning, deep learning, computer vision and finally determined my interests within deep learning and computer vision.
- High marks in **AI-related courses**: Introduction to Green Communications (95/100), Engineering Training (94/100), Multimedia Retrieval (93/100), Software Project (92/100), Principles and Applications of Sensors (90/100), Python programming (87/100), Machine Learning (85/100) etc.

Research Experience

- Jul. 2022 – Present **Visiting Student, CAIRI AI Lab (Prof. Stan Z. Li Lab), Westlake University**
(i) Mixup-related data augmentation methods. Responsible for the maintenance of OpenMixup (331 stars).
(ii) Efficient visual backbone architecture design. Co-first author of MogaNet.
(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.
- Sep. 2020 – Apr. 2021 **Research Intern, Key Lab of Digital Earth Science, Chinese Academy of Sciences.**
(i) Broad deep learning and computer vision exploration; (ii) Remote sensing building semantic segmentation.

Publications

- 2022 **Efficient Multi-order Gated Aggregation Network.**
Siyan Li*, Zedong Wang*, Zicheng Liu, Cheng Tan, Haitao Lin, Di Wu, Zhiyuan Chen, Jiangbin Zheng, Stan Z. Li *: Equal Contribution.
- 2022 **OpenMixup: Open Mixup Toolbox for Visual Representation Learning.**
Siyan Li*, Zedong Wang*, Zicheng Liu*, Di Wu, Stan Z. Li *: Equal Contribution.

Languages and Skills

Chinese (native), English (fluent). IELTS 7.0 overall grades, CET-4 646 overall grades.
Python DL Libraries, PyTorch, Linux (basic),
L^AT_EX, Comprehensive Research Skills.