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Zedong Wang

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Citations: 9, H-index: 2

Contribute: 1, Stars: 332

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 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 [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 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 history and development of philosophical science as well as modern science to build a deep and clear recognition of scientific research.
- **The 2nd and 3rd years**, I went through various research aspects (e.g., complex network, machine learning, deep learning, computer vision) and finally focused 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 – **Visiting Student**, [CAIRI AI Lab](#) ([Prof. Stan Z. Li Lab](#)), *Westlake University*

- Present
- (i) Mixup-related data augmentation methods. Responsible for the maintenance of [OpenMixup](#) (332 stars on GitHub).
 - (ii) Efficient visual backbone architecture design. Co-first author of [MogaNet](#) (42 stars on GitHub).
 - (iii) AI for Science applications.

Sep. 2021 – **Research Intern**, under [Prof. Xinggang Wang](#), *EIC, Huazhong University of Science and Technology*.

Jun. 2022 Few-shot Semantic Segmentation advised by Prof. Xinggang Wang.

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

Sep. 2021 Semantic Segmentation research and vision model configuration.

Sep. 2020 – **Research Intern**, [Key Lab of Digital Earth Science](#), *Chinese Academy of Sciences*.

Apr. 2021 (i) Broad deep learning and computer vision exploration; (ii) Remote sensing building semantic segmentation.

Publications

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^{*}

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

Siyuan Li[†], **Zedong Wang**[†], Zicheng Liu[†], Di Wu, Stan Z. Li^{*} [†]: Equal Contribution. ^{*}: Corresponding Author.

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.