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Zedong Wang

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Citations: **35**, H-index: **3**		Citations: **36**, H-index: **3**		Contribute: **2**, Stars: **532**

▬▬▬ Short Biography

I completed my B.Eng. in Electronic and Information Engineering (Machine Intelligence) at HUST. Currently, I am a visiting student in CAIRI AI Lab under Chair Professor Stan Z. Li at Westlake University. My research interests include visual representation learning, especially for efficient network architecture design as well as self-supervised learning, and AI for science applications. Previously, I worked on few-shot semantic segmentation supervised by Prof. Xinggang Wang at HUST. I was a visiting student at SIAT-MMLab, Shenzhen Institute of Advanced Technology (SIAT), Chinese Academy of Sciences (CAS) in the summer of 2021. I also conducted research internship at Key Lab of Digital Earth Science, CAS. My research goal is to pursue solid AI research that makes positive changes to the community.

▬▬▬ Education and Degrees

2019 – 2023   **B.Eng. in Electronic and Information Engineering,** *Huazhong University of Science and Technology.*
- **The 1st year**, I went through various research areas and focused on deep learning & computer vision.
- **The 2nd and 3rd years**, I gained hands-on experience in AI and develop research skills across data collection, pre-processing, modeling, and evaluation etc.
- High marks in **AI-related** core courses: Introduction to Green Communications **(95/100)**, Engineering Training **(94/100)**, Multimedia Retrieval **(93/100)**, Graduation Thesis **(92/100)**, Software Project **(92/100)**, Principles and Applications of Sensors **(90/100)**, Python programming **(87/100)**, Capstone Project in Machine Intelligence **(87/100)**, Deep Learning and Computer Vision **(87/100)**, Machine Learning **(85/100)** etc.

▬▬▬ Research Experience

Dec. 202   **Ph.D. Pre-Offer**, *AI Division, School of Engineering, Westlake University.*

Sep. 2022 – Present   **Visiting Student**, *CAIRI AI Lab (Chair Prof. Stan Z. Li Lab), Westlake University.*
(i) Mixup-related data augmentation techniques. Responsible for the maintenance of OpenMixup (452 stars on GitHub).
(ii) Efficient deep visual architecture design. Co-first author of MogaNet (80 stars on GitHub).

Jul. 2022 – Sep. 2022   **Summer Research Studentship**, *School of Engineering, Westlake University.*
Advisor: Chair Prof. Stan Z. Li (2 selected out of over 100 applicants) | **Research Field:** Visual Representation Learning.

Sep. 2021 – Jun. 2022   **Research Intern**, *HUST Vision Lab, School of EIC, Huazhong University of Science and Technology.*
Advisor: Prof. Xinggang Wang | **Research Field:** Few-shot Semantic Segmentation.

Jul. 2021 – Sep. 2021   **Visiting Student**, *MMLab, Shenzhen Institute of Advanced Tech. (SIAT), Chinese Academy of Sciences.*
Advisor: Dr. Bin Fu | **Research Field:** Semantic Segmentation.

Sep. 2020 – Apr. 2021   **Research Intern**, *Key Lab of Digital Earth Science, Chinese Academy of Sciences.*
Advisor: Dr. Xiaoping Du | **Research Field:** Remote Sensing Building Semantic Segmentation.

▬▬▬ Publications   (*: Equal Contribution. †: Corresponding Author)

2023   **Boosting Discriminative Visual Representation Learning with Scenario-Agnostic Mixup**.
Siyuan Li*, Zicheng Liu*, **Zedong Wang***, Di Wu, Zihan Liu, Stan Z. Li[†]

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[†]

▬▬▬ Languages and Skills

Chinese (native), English (fluent). **IELTS 7.0**(2019) overall grades, **CET-4 646** overall grades.
Python DL Libraries, PyTorch, Linux (basic), LaTeX ,Comprehensive Research Skills.