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# Zedong Wang

Pursue solid deep learning research with passion.

Homepage

Twitter

GitHub

## Short Biography

I am a fourth-year undergraduate student in Electronics Information Engineering at Huazhong University of Science and Technology (HUST). My research interests are within cross-disciplinary AI, self-supervised learning, data efficient visual representation learning. Currently, I am a research intern (remote) at CAIRI (Prof. Stan Z. Li Lab), Westlake University, focusing on Mixup-related visual representation learning and AI for science applications. In the summer of 2022, I fortunately became a research intern at CAIRI. 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 (remote) at Key Laboratory of Digital Earth Science, Aerospace Information Research Institute, CAS (2020 - 2021). My academic goal is to do solid and interpretable AI research.

## Education and Degrees

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

- **The 1<sup>st</sup> 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 2<sup>nd</sup> year**, I tried to recognize some specific research fields in labs such as complex network, machine learning, deep learning, computer vision with diverse professors. Finally, I determined my research interest and step into the field of deep learning.
- **The 3<sup>rd</sup> year**, I dig deep into deep learning and computer vision particularly few-shot semantic segmentation.
- At the same time, I have achieved good grades in AI-related courses such as Engineering training (94/100), Software Project (92/100) and Python programming (87/100) etc.

## Academic Experience

- Sep. 2021 – present **Summer Research**, *Center for Artificial Intelligence Research and Innovation (CAIRI), Westlake University*.  
Mixup-related visual representation learning, AI for science applications.
- Sep. 2021 – present **Research Intern**, under Prof. Xinggang Wang, *Huazhong University of Science and Technology*.  
Independent few-shot semantic segmentation research 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 computer vision model configuration under Dr. Bin Fu.
- Sep. 2020 – Apr. 2021 **Research Intern**, *Key Lab of Digital Earth Science, Chinese Academy of Sciences*.  
1<sup>st</sup> stage: Rudiment deep learning study; 2<sup>nd</sup> stage: Independent building segmentation research under Dr. Xiaoping Du.
- Aug. 2019 – Oct. 2019 **Machine learning workshop participation (remote)**, *Louisiana State University*.  
Get my 1<sup>st</sup> touch of machine learning. Pave ways for the future study and research.
- Sep. 2017 – Apr. 2017 **Head of STEM club**, *Shenzhen NanShan Foreign Language School Senior High School*.  
1<sup>st</sup> author of a municipal invasive plants investigation thesis which won the support funds from Shenzhen city government.  
Build a scientific research sense and mindset.

## Languages

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

## Skills

Python DL Libraries, PyTorch, Python, Linux (basic),  
L<sup>A</sup>T<sub>E</sub>X, English reading, writing & communication skills