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# Zedong Wang

*Pursue solid deep learning research with passion.*

Academic Blog

Twitter

GitHub

## Short Biography

I am a Hong Kong junior at Huazhong University of Science and Technology (HUST), majoring in Electronics Information Engineering. As a novice in AI research, my academic interests are within few-shot learning, computer vision and deep learning. Alongside, I am also interested in probabilistic deep learning and graph neural networks. I am now working on few-shot semantic segmentation under Prof. Xinggang Wang at HUST. In the summer 2021, I worked as a visiting student at Multimedia Laboratory (MMLab), Shenzhen Institute of Advanced Technology (SIAT), Chinese Academy of Sciences (CAS). I was a research intern (remote) at Key Laboratory of Digital Earth Science, Aerospace Information Research Institute, CAS (2020 - 2021). Although I started out with computer vision, I would love to do deeper research within deep learning theory and AI+ application in the future. My desire is to get a good grasp of details of deep learning theory as well as do solid and interpretable deep learning research. I am now applying for a PHD position in 2023 Fall.

## 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 in it.
- **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 **Research Student**, 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 (2019)

## Skills

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