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Zedong Wang

Pursue solid deep learning research.

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. My academic interests are within few-shot segmentation, computer vision and deep learning. Alongside, I am also interested in probabilistic deep learning and graph neural networks. I am 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 academic desire is to fathom and 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 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 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 3rd 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*.
1st stage: Rudiment deep learning study; 2nd stage: Independent building segmentation research under Dr. Xiaoping Du.

Aug. 2019 – Oct. 2019 **Machine learning workshop participation (remote)**, *Louisiana State University*.
Get my 1st 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*
1st 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),
LaTeX, English reading, writing & communication skills