Hao Wu

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Bio. I am currently a third-year graduate student under the supervision of **Lianli Gao** at the Department of Department of Computer Science, UESTC. My research interests lie in the field of computer vision, specifically in few-shot learning which is considered as a crucial aspect of understanding representation learning. Now I'm actively seeking admission to a full-time Ph.D program at Fall 2024.

Education

University of Electronic Science and Technology of China (UESTC) 2021—2024(Exp)
M.Phil Computer Science and Technology GPA: 3.76/4.0

Shandong University (SDU) 2017—2021
B.Eng. Computer Science and Technology (Elite Program) GPA: 89.12/100

Publication

1. Xu Luo*, **Hao Wu***, Ji Zhang, Lianli Gao, Jing Xu, Jingkuan Song. A Closer Look at Few-shot Classification Again. Proceedings of the 40th International Conference on Machine Learning (ICML2023)
   We think lots of insights revealed from this work can be play an important role in few-shot learning.

2. **Hao Wu**, Danyang Feng and Huihui Fang. Glaucoma Detection on 3D-OCT with View Transform. The 10th Ophthalmic Medical Image Analysis Workshop, MICCAI 2023.

Projects

1. **Early Glaucoma Detection with Fundus and 3D-OCT Images**, Chengdu, China 2022.12

   Researcher. We are committed to detecting glaucoma through the use of multimodal medical data, including Optical Coherence Tomography(OCT) and Fundus.

2. **Multi-view based Coal Measurement System**, Shandong, China 2020.12

   R&D Engineer. Coal Measurement offers a reliable coal volume estimation, enabling effective scheduling of power plant operations. We has successfully developed a multi-view based measurement system, incorporating over 100 cameras to achieve cost-effective 3D modeling. Through the implementation of advanced algorithms in camera calibration, feature mining and matching, and dense reconstruction, we have achieved less than 10% error with 10% budget.

3. **System of Active Hazard Detection in Nanding Thermal Power Plant**, Shandong, China 2020.10

   R&D Engineer. The active hazard detection system in power plant seamlessly integrates visual signals from CCTV monitors with advanced visual intelligent methods, enabling a highly effective sub-second response. This system has been successfully operational for 2 years.

Scholarships & Honors

2023 & 2021 First Class Scholarship of UESTC **(2 times)**
2021 College Graduate Excellence Award of Shandong University **(only 1 in each class)**
2020 Rank 1st, The 3rd Innovation and Entrepreneurship Competition of SDU **(Investment Intention Got)**
2019 National Second Prize (9/199), The 12th National Collegiate Software Innovation Contest
2019 Second Class Scholarship of SDU **(2 times) &** Zhiyang Scholarship **(only 3 at each grade)**
2018 China National Encouragement Scholarship
2018 First Class Scholarship of SDU