Qixin Hu

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Education

Huazhong University of Science and Technology   *Wuhan, China*
M.Sc. in Optical, Department of Physics.   *2020 - 2023 (expected)*
- Research Interests: computational vision, medical image analysis, 3D vision.

Huazhong University of Science and Technology   *Wuhan, China*
B.S. in Applied Physics, Department of Physics.   *2016 - 2020*
- GPA: 3.90/4.00

Publications

Jiacong Xu, **Qixin Hu**, et al. "Animal3D: A Comprehensive Dataset of 3D Animal Pose and Shape." **Submitted to ICCV** 2023.

Qixin, Hu, Yixiong Chen, Junfei Xiao, Shuwen Sun, Jie-Neng Chen, Alan Yuille, Zongwei Zhou. "Label-Free Liver Tumor Segmentation." **CVPR** 2023.

Qixin, Hu, Junfei Xiao, Yixiong Chen, Shuwen Sun, Jie-Neng Chen, Alan Yuille, Zongwei Zhou. "Synthetic Tumors Make AI Segment Tumors Better." **Medical Meet NeurIPS** 2022.

Qixin, Hu, Siyan Xu, Xue-wen Chen, Xinggang Wang, and Ken Xingze Wang. "Object recognition for remarkably small field-of-view with speckles." **Applied Physics Letters** 118, no. 9 (2021): 091103.

Research Experience

National College Student Innovation and Entrepreneurship Training Program, HUST
Advisors: Prof. Ming Yang   *April 2019 - April 2020*
- **Team Leader**, We improve Chua's circuit (a classical chaotic circuit) and took advantage of it to build a real number generation system.

3D Vision on Human Reconstruction, Tsinghua University
Advisors: Prof. Yebin Liu   *June 2021 - Sep. 2021*
- **Research Intern**, My work here focuses on Image-based 3D human reconstruction and neural scene representation & rendering (NeRF, PiFU for examples).

Acation-guided 3D Human-object Interaction Reconstruction, Northeastern University   *Boston, US.*
Advisors: Prof. Huaizu Jiang   *March 2022 - Sep. 2022*
- **Research Intern**, My work here focuses on action-guide 3D human-object interaction reconstruction from single/multi RGB(D) images (PHOSA, CHORE for examples).

Label-free Liver Tumor localization, Johns Hopkins University   *Baltimore, US.*
Advisors: Alan Yuille (**Bloomberg Distinguished Professor**) & Zongwei Zhou   *June 2022 - Now*
- **Research Intern**, My work here focuses on localizing liver tumors without human annotation.

Awards & Fellowships

2021	**Outstanding Graduate Student**,
2020	**Honored Undergraduates** ,
2018	**National Encouragement Scholarship**,