QIAO FENG

University of Pennsylvania

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EDUCATION

University of Pennsylvania, Philadelphia, PA, America   *Sept. 2024 – Present*
Ph.D. in Computer and Information Science   Advisor: Prof. Lingjie Liu

Tianjin University, Tianjin, China   *Sept. 2017 – Jan. 2024*
M.Eng. in Computer Science and Technology   Advisor: Prof. Kun Li
B.Eng. in Computer Science and Technology

PUBLICATIONS & MANUSCRIPTS

1. **Qiao Feng**, Yebin Liu, Yu-Kun Lai, Jingyu Yang, Kun Li, "FOF: Learning Fourier Occupancy Field for Monocular Real-time Human Reconstruction", in Advances in Neural Information Processing Systems (**NeurIPS**), 2022. [Project Page]

2. Muxin Zhang*, **Qiao Feng***, Zhuo Su, Chao Wen, Zhou Xue, Kun Li, "Joint2Human: High-quality 3D Human Generation via Compact Spherical Embedding of 3D Joints", in Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024. (* Equal contribution)[Project Page]

3. Haoyang Ge*, **Qiao Feng***, Hailong Jia, Xiongzheng Li, Xiangjun Yin, You Zhou, Jingyu Yang, Kun Li, "LPSNet: End-to-End Human Pose and Shape Estimation with Lensless Imaging", in Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024. (* Equal contribution) [Project Page]

4. Xiaokun Sun, **Qiao Feng**, Xiongzheng Li, Jinsong Zhang, Yu-Kun Lai, Jingyu Yang, Kun Li, "Learning Semantic-Aware Disentangled Representation for Flexible 3D Human Body Editing", in Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023. [Project Page]

5. Kun Li, Hao Wen*, **Qiao Feng***, Yuxiang Zhang, Xiongzheng Li, Jing Huang, Cunkuan Yuan, Yu-Kun Lai, Yebin Liu, "Image-Guided Human Reconstruction via Multi-Scale Graph Transformation Networks", IEEE Transactions on Image Processing (**TIP**), 2021. (* Equal contribution) [Project Page]

6. Yi Wang*, Jian Ma*, Ruizhi Shao, **Qiao Feng**, Yu-Kun Lai, Yebin Liu, Kun Li, "Human-Coser: Layered 3D Human Generation via Semantic-Aware Diffusion Model", in IEEE International Symposium on Mixed and Augmented Reality (**ISMAR**), 2024. (* Equal contribution) [Project Page]

7. Yuanwang Yang*, **Qiao Feng***, Yu-Kun Lai, Kun Li, "R^{2}Human: Real-Time 3D Human Appearance Rendering from a Single Image", in IEEE International Symposium on Mixed and Augmented Reality (**ISMAR**), 2024. (* Equal contribution) [Project Page]

   Real-time 3D human reconstruction and rendering system from a single RGB camera

8. Xinyi Jing*, **Qiao Feng***, Yu-Kun Lai, Jinsong Zhang, Yuanqiang Yu, Kun Li, "STATE: Learning Structure and Texture Representations for Novel View Synthesis", Computational Visual Media (**CVM**), 2023. (* Equal contribution) [Project Page]

9. Yi Wang, Jing-Song Cheng, **Qiao Feng**, Wen-Yuan Tao, Yu-Kun Lai, Kun Li, "TSNeRF: Text-driven stylized neural radiance fields via semantic contrastive learning", in Computers & Graphics, 2022. [ScienceDirect]

10. Yuanwang Yang, **Qiao Feng**, Yu-Kun Lai, Kun Li, "Real-time 3D human reconstruction and rendering system from a single RGB camera", in SIGGRAPH Asia 2024 Technical Communications, 2024. [Project Page]

11. **Qiao Feng**, Yebin Liu, Yu-Kun Lai, Jingyu Yang, Kun Li, "Monocular Real-Time Human Geometry Reconstruction", in CAAI International Conference on Artificial Intelligence (**CICAI**) Demo paper, 2022. [Springer]

12. **Qiao Feng**, Yebin Liu, Yu-Kun Lai, Jingyu Yang, Kun Li, "FOF-X: Towards Real-time Detailed Human Reconstruction from Single Image", IEEE Transactions on Pattern Analysis and Machine Intelligence (**T-PAMI**), 2023. (Submitted & Under review) [Project Page]

SCHOLARSHIPS & AWARDS

- National Scholarship (Highest scholarship awarded by the Chinese government), Tianjin University, 2022.
- Excellent Bachelor Thesis, Tianjin University, 2021.
- Weichai Scholarship, Tianjin University, 2019.
- Third Prize in the National Student Computer System Capability Challenge (NSCSCC), 2019.
- Programming Contest
    - Gold medal in the ACM-ICPC Asia Regional Contest, Nanjing Site, 2018.
    - Gold medal in the ACM-ICPC Asia Regional Contest, Qingdao Site, 2018.
    - Silver medal in the ICPC Asia-East Continent Final, Xi'an Site, 2018.
    - First Prize, National Olympiad in Informatics in Provinces (NOIP), 2016.
- First Prize, National High School Math League, 2016.

SERVICE

- Teaching Assistant, Principles of Programming (Bilingual), Tianjin University, 2019.
- Teaching Assistant, Data Structure, Tianjin University, 2020-2022.
- Teaching Assistant, Algorithms Design and Analysis, Tianjin University, 2020-2022.
- As a reviewer of conferences: CVPR, CICAI, NeurIPS.