

Minye Wu

EDUCATION

- 2015–Now **ShanghaiTech University**, *Shanghai*, China.
School of Information Science and Technology
Ph.D. candidate; Major fields: Computer Vision and Computational Photography
Advisor: Professor Jingyi Yu
- 2011–2015 **Shanghai University**, *Shanghai*, China.
Bachelor of engineering in computer science and technology
Winner of the principal's scholarship, 2015

PUBLICATIONS

- 1 Minye Wu, Haibin Ling, Ning Bi, Shenghua Gao, Qiang Hu, Hao Sheng, Jingyi Yu. Visual Tracking With Multiview Trajectory Prediction. *IEEE Transactions on Image Processing (IEEE TIP)*, 2020.
- 2 Minye Wu, Yuehao Wang, Qiang Hu, Jingyi Yu. Multi-View Neural Human Rendering. *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020.
- 3 Cen Wang, Minye Wu, Ziyu Wang, Liao Wang, Hao Sheng, Jingyi Yu. Neural Opacity Point Cloud. *IEEE Transactions on Pattern Analysis and Machine Intelligence (IEEE TPAMI)*, 2020.
- 4 Dongze Lian, Ziheng Zhang, Weixin Luo, Lina Hu, Minye Wu, Zechao Li, Jingyi Yu, Shenghua Gao. RGBD based gaze estimation via multi-task CNN. *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 2019.
- 5 Wentao Lyu, Peng Ding, Yingliang Zhang, Anpei Chen, Minye Wu, Shu Yin, Jingyi Yu. Refocusable Gigapixel Panoramas for Immersive VR Experiences. *IEEE Transactions on Visualization and Computer Graphics (IEEE TVCG)*, 2019.
- 6 Anpei Chen, Minye Wu, Yingliang Zhang, Nianyi Li, Jie Lu, Shenghua Gao, Jingyi Yu (2018). Deep surface light fields. *Proceedings of the ACM on Computer Graphics and Interactive Techniques (PACMCGIT)*, 2018.
- 7 Zhong Li*, Minye Wu*, Wangyiteng Zhou, Jingyi Yu. 4D Human Body Correspondences from Panoramic Depth Maps. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018.

EXPERIENCE

- 2019 **Multiview Vehicle Tracking by Graph Matching Model.**
Participate in AI city challenge. We present a graph-based approach for city-scale multi-camera vehicle tracking and achieve 9th place.
CVPR 2019 Workshop paper accepted
- 2016 - 2017 **Light Field Projects**, *ShanghaiTech University.*
Built up a light field camera array with real-time rendering software.
Implemented a multi-view image acquisition system for research data collection.
- 2016 FALL **CS 140 Algorithms**, *Teaching Assistant*, ShanghaiTech University.
Shared responsibility for recitations, coursework and project consulting. Graduate & undergraduate course.
Instructor: Prof. Jingyi Yu

- 2016 SPRING **CS 110 Computer Architecture I**, *Teaching Assistant*, ShanghaiTech University.
Shared responsibility for recitations, coursework and project consulting. Undergraduate course.
Instructor: Prof. Soren Schwertfeger
- 2015 FALL **CS 100 Programming Languages and Data Structures**, *Teaching Assistant*, ShanghaiTech University.
Shared responsibility for recitations, coursework and project consulting. Undergraduate course.
Instructor: Prof. Hao Chen
- 2013 **International Collegiate Programming Contest**, *ACM/ICPC regional contests*, Asia.
Silver medal (top 15%), Changchun site, China
(*The ICPC is a multi-tier, team-based, programming competition; Algorithms and data structures are involved. link:Wikipedia*)

SKILLS

C&C++; Python; CUDA; LaTeX; MATLAB; Pytorch; OpenGL; OpenCV; Linux; Parallel Computing

RESEARCH INTERESTS

Computational Photography, Computer Vision, Neural Rendering, Neural Representation

REFERENCES

Jingyi Yu, *Professor*.

School of Information Science and Technology, ShanghaiTech University
393 Middle Huaxia Road, Pudong, Shanghai, 201210
Email: yujingyi@shanghaitech.edu.cn