

XIAOJUAN WANG

CONTACT INFORMATION

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RESEARCH INTERESTS

- Image and video synthesis, especially in unsupervised settings.

EDUCATION

- Ph.D in Computer Science, University of Washington, U.S. 09/2019-Present
Co-advised by Steve Seitz, Brian Curless, and Ira Kemelmacher
- MSc in Computer Science, Visual Computing Track, ETH Zurich, Switzerland 09/2016-06/2019
Thesis: learning 3D semantic reconstruction on octrees
Supervisor: Prof. Marc Pollefeys
- B. S. in Computer Science, Sun Yat-Sen University, China 09/2011-07/2016
Major GPA: 90/100

RESEARCH EXPERIENCES

- Student Researcher, **Google Research** 06/2023-09/2023
Generative Powers of Ten. Mentor: Aleksander Holynski
- Research intern, **Adobe Research** 06/2022-09/2022
Jump cut smoothing for talking heads. Mentor: Richard Zhang
- Research intern, **Facebook Reality Lab** 06/2021-09/2021
Multi-view 9DoF 3D object pose estimation. Mentor: Sam Tsai
- Master thesis, **Computer Vision and Geometry Lab**, ETH Zurich 05/2018-03/2019
learn 3D scene semantic reconstruction on octree. Mentor: Martin Oswald
- Research assistant, **Computer Vision and Geometry Lab**, ETH Zurich 12/2016-10/2017
Room model difference visualization on HoloLens. Mentor: Martin Oswald

PUBLICATIONS

- **Xiaojuan Wang**, Janne Kontkanen, Brian Curless, Steve Seitz, Ira Kemelmacher, Ben Mildenhall, Pratul P. Srinivasan, Dor Verbin, Aleksander Holynski, “Generative Powers of Ten,” **Arxiv**, 2023
- **Xiaojuan Wang**, Taesung Park, Yang Zhou, Eli Shechtman, Richard Zhang, “Jump cut smoothing for talking heads,” **Arxiv**, 2023
- **Xiaojuan Wang**, Martin R. Oswald, Ian Cherabier, and Marc Pollefeys, “Learning 3D Reconstruction on Octrees,” German Conference on *Pattern Recognition (GCPR)*, 2019
- **Xiaojuan Wang**, Martin R. Oswald, Ian Cherabier, and Marc Pollefeys, “Learning 3D Reconstruction on Octrees,” German Conference on *Pattern Recognition (GCPR)*, 2019.
- **Xiaojuan Wang**, Ting Zhang, Guo-Jun Qi, Jinhui Tang, and Jingdong Wang, “Supervised Quantization for Similarity Search,” *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016.
- Xiang Li, Wei-Shi Zheng, **Xiaojuan Wang**, Tao Xiang, and Shaogang Gong, “Multi-scale Learning for Low-resolution Person Re-identification,” *IEEE International Conference on Computer Vision (ICCV)*, 2015.

- **Xiaojuan Wang**, Wei-Shi Zheng, Xiang Li, and Jianguo Zhang, “Cross-scenario Transfer Person Re-identification,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2015.