

# YIFAN WANG

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## EDUCATION

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<b>University of Washington</b> Ph.D. in Computer Science and Engineering Advised by Brian Curless and Steve Seitz	2018 - 2024
<b>ShanghaiTech University</b> B.S. in Computer Science	2014 - 2018
<b>Massachusetts Institute of Technology</b> Undergraduate Special Student Program	2016 - 2017

## WORK EXPERIENCE

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<b>Research Scientist, Meta</b> Project Aria, Reality Labs Research	2024 -
<b>Research Intern, Google</b> Mentor: Lukas Murmann, Stephen Lombardi, Dor Verbin	Jun. 2023 - Sept. 2023
<b>Research Intern, Adobe</b> Mentor: Cecilia Zhang, Xiuming Zhang, Marc Levoy	Jun. 2021 - Aug. 2021
<b>Research Intern, Google</b> Mentor: Richard Tucker, Jiajun Wu, Noah Snavely	Jun. 2020 - Aug. 2020
<b>Research Intern, ByteDance</b> Mentor: Linjie Luo, Xiaohui Shen, Xin Mei	Jun. 2019 - Sept. 2019
<b>Research Intern, ByteDance</b> Mentor: Jianchao Yang, Xiaohui Shen, Yi Ma	Jul. 2018 - Sept. 2018
<b>Software Engineer Intern, Hewlett Packard Enterprise</b> Worked on website development for project portfolio management	Jun. 2016 - Aug. 2016
<b>Software Engineer Intern, WiCO</b> Worked on Automatic License Plate Recognition (ALPR) on the ADI DSP board	Nov. 2014 - Jul. 2015

## PUBLICATIONS

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- Yifan Wang**, Aleksander Holynski, Brian L Curless, and Steven M Seitz. Infinite Texture: Text-guided High Resolution Diffusion Texture Synthesis. *arXiv preprint*, 2024
- Yifan Wang**, Aleksander Holynski, Xiuming Zhang, and Xuaner Cecilia Zhang. SunStage: Portrait Reconstruction and Relighting using the Sun as a Light Stage. In *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023
- Yifan Wang**, Andrew Liu, Richard Tucker, Jiajun Wu, Brian L. Curless, Steven M. Seitz, and Noah Snavely. Repopulating Street Scenes. In *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021
- Yifan Wang**, Linjie Luo, Xiaohui Shen, and Xing Mei. DynOcc: Learning Single-View Depth from Dynamic Occlusion Cues. In *International Conference on 3D Vision (3DV)*, 2020

5. **Yifan Wang**, Brian L. Curless, and Steven M. Seitz. People as Scene Probes. In *European Conference on Computer Vision (ECCV)*, 2020
6. Zihui Zhu, **Yifan Wang**, Daniel Robinson, Daniel Naiman, Rene Vidal, and Manolis Tsakiris. Dual Principal Component Pursuit: Improved Analysis and Efficient Algorithms. In *Advances In Neural Information Processing Systems (NeurIPS)*, 2018
7. Kun Huang, **Yifan Wang**, Zihan Zhou, Tianjiao Ding, Shenghua Gao, and Yi Ma. Learning to Parse Wireframes in Images of Man-Made Environments. In *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018
8. Jiajun Wu\*, **Yifan Wang\***, Tianfan Xue, Xingyuan Sun, William T. Freeman, and Joshua B. Tenenbaum. MarrNet: 3D Shape Reconstruction via 2.5D Sketches. In *Advances In Neural Information Processing Systems (NeurIPS)*, 2017

\* indicates equal contributions

## TEACHING EXPERIENCE

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### University of Washington

Teaching Assistant for CSE 457 Computer Graphics	<i>Autumn 2023</i>
Teaching Assistant for CSE 455 Computer Vision	<i>Spring 2023</i>
Teaching Assistant for CSE 490G1 / 599G1 Introduction to Deep Learning	<i>Autumn 2022</i>

### ShanghaiTech University

Teaching Assistant for CS 140 Algorithms	<i>Fall 2017</i>
Teaching Assistant for SI 231 Matrix Analysis	<i>Fall 2017</i>
Teaching Assistant for SI 100 Introduction to Information Science and Technology	<i>Spring 2016</i>

### Massachusetts Institute of Technology

Grader for 6.046 Design and Analysis of Algorithms	<i>Spring 2017</i>
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## SELECTED AWARDS AND HONORS

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UW Reality Lab - Google Fellowship	<i>Spring 2022</i>
Outstanding Graduate	<i>Spring 2018</i>
Dean's Scholarship (Top 5%)	<i>Fall 2016</i>
Third Prize in SegmentFault Hackathon	<i>Spring 2016</i>
Excellence Scholarship (Top 15%)	<i>Fall 2015</i>
Third Prize in ADI University Design Competition	<i>Spring 2015</i>
Excellence Scholarship (Top 15%)	<i>Fall 2014</i>