Linyi Jin

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Education

University of Michigan	**Michigan, USA**
Ph.D. in Computer Science and Engineering. Advisor: Prof. David Fouhey	*08.2021–04.2026(expected)*
University of Michigan	**Michigan, USA**
M.S. in Robotics	*09.2019–04.2021*
University of Michigan	**Michigan, USA**
B.S.E. in Computer Science, Summa Cum Lauda	*09.2017–04.2019*
Shanghai Jiao Tong University	**Shanghai, China**
B.S.E. in Mechanical Engineering.	*09.2015–08.2019*

Publication (* indicates equal contribution)

3DFIRES: Few Image 3D REconstruction for Scenes with Hidden Surface
Linyi Jin, Nilesh Kulkarni, David Fouhey   *CVPR 2024*

FAR: Flexible, Accurate and Robust 6DoF Relative Camera Pose Estimation
Chris Rockwell, Nilesh Kulkarni, Linyi Jin, Jeong Joon Park, Justin Johnson, David Fouhey   *CVPR 2024*

Perspective Fields for Single Image Camera Calibration.
Linyi Jin, Jianming Zhang, Yannick Hold-Geoffroy, Oliver Wang, Kevin Matzen, Matthew Sticha, David Fouhey   *CVPR 2023* **Highlight**

Learning to Predict Scene-Level Implicit 3D from Posed RGBD Data.
Nilesh Kulkarni, Linyi Jin, Justin Johnson, David Fouhey   *CVPR 2023*

PlaneFormers: From Sparse View Planes to 3D Reconstruction.
Samir Agarwala, Linyi Jin, Chris Rockwell, David Fouhey   *ECCV 2022*

Understanding 3D Object Articulation in Internet Videos.
Shengyi Qian, Linyi Jin, Chris Rockwell, Siyi Chen, David Fouhey   *CVPR 2022*

Planar Surface Reconstruction from Sparse Views
Linyi Jin, Shengyi Qian, Andrew Owens, David F. Fouhey   *ICCV 2021* **Oral**

Associative3D: Volumetric Reconstruction from Sparse Views
Shengyi Qian*, Linyi Jin*, David F. Fouhey   *ECCV 2020*

Inferring Occluded Geometry Improves Performance When Retrieving an Object from Dense Clutter
Andrew Price*, Linyi Jin*, Dmitry Berenson   *ISRR, 2019*

Work Experience

Adobe Inc.	**San Jose, CA**
Computer Vision Research Intern	*05.2021-08.2021*
Research topic: Camera Calibration. Supervisor: Jianming Zhang.	
Fouhey AI Lab	**Ann Arbor, MI**
Graduate Student Research Assistant	*05.2019–04.2021*
Advisor: Prof. David Fouhey	
Autonomous Robotic Manipulation Lab (ARM Lab)	**Ann Arbor, MI**
Undergraduate Research Assistant	*04.2018–04.2019*
Advisor: Prof. Dmitry Berenson	

Service

Reviewer: CVPR, ECCV, ICCV, NeurIPS, 3DV, WACV, ICRA, ICML, TPAMI, TCSVT, SIGGRAPH ASIA	**2021–**
Teaching: EECS 442 Computer Vision, University of Michigan	**01.2019–04.2019**