Linyi Jin

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Education

University of Michigan — **Michigan, USA**
Ph.D. student in Computer Science and Engineering. Advisor: Prof. David Fouhey — *08.2021- 12.2025(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*

Work Experience

Adobe Research — **New York City, NY**
Research Scientist Intern — *05.2025-Now*
Research topic: Video Models. Supervisor: Zhengqi Li, Eli Shechtman.

Google DeepMind — **New York City, NY**
Student Researcher — *05.2024-04.2025*
Research topic: 4D reconstruction. Supervisor: Noah Snavely, Aleksander Hołyński.

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

Publication (* indicates equal contribution)

Stereo4D: Learning How Things Move in 3D from Internet Stereo Videos
L. Jin, R. Tucker, Z. Li, D. Fouhey, N. Snavely, A. Hołyński** — *CVPR 2025* ***Oral***

MegaSaM: Accurate, Fast and Robust Structure and Motion from Casual Dynamic Videos — **Best Paper, Honorable Mention**
Z. Li, R. Tucker, F. Cole, Q. Wang, L. Jin, V. Ye, A. Kanazawa, A. Hołyński, N. Snavely — *CVPR 2025*

3DFIRES: Few Image 3D REconstruction for Scenes with Hidden Surface
L. Jin, N. Kulkarni, D. Fouhey — *CVPR 2024*

FAR: Flexible, Accurate and Robust 6DoF Relative Camera Pose Estimation
C. Rockwell, N. Kulkarni, L. Jin, J. Park, J. Johnson, D. Fouhey — *CVPR 2024* ***Highlight***

Perspective Fields for Single Image Camera Calibration.
L. Jin, J. Zhang, Y. Hold-Geoffroy, O. Wang, K. Matzen, M. Sticha, D. Fouhey — *CVPR 2023* ***Highlight***

Learning to Predict Scene-Level Implicit 3D from Posed RGBD Data.
N. Kulkarni, L. Jin, J. Johnson, D. Fouhey — *CVPR 2023*

PlaneFormers: From Sparse View Planes to 3D Reconstruction.
S. Agarwala, L. Jin, C. Rockwell, D. Fouhey — *ECCV 2022*

Understanding 3D Object Articulation in Internet Videos.
S. Qian, L. Jin, C. Rockwell, S. Chen, D. Fouhey — *CVPR 2022*

Planar Surface Reconstruction from Sparse Views
L. Jin, S. Qian, A. Owens, D. Fouhey *ICCV 2021* ***Oral***

Associative3D: Volumetric Reconstruction from Sparse Views
S. Qian, L. Jin*, D. Fouhey* *ECCV 2020*

Inferring Occluded Geometry Improves Performance When Retrieving an Object from Dense Clutter
A. Price, L. Jin*, D. Berenson* *ISRR, 2019*

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**