

Linyi Jin

✉ jinlinyi@umich.edu • 🌐 jinlinyi.github.io

Education

University of Michigan

Ph.D. student in Computer Science and Engineering. Advisor: Prof. David Fouhey

Michigan, USA

08.2021–04.2026(expected)

University of Michigan

M.S. in Robotics

Michigan, USA

09.2019–04.2021

University of Michigan

B.S.E. in Computer Science, Summa Cum Lauda

Michigan, USA

09.2017–04.2019

Shanghai Jiao Tong University

B.S.E. in Mechanical Engineering.

Shanghai, China

09.2015–08.2019

Publication (* indicates equal contribution)

Stereo4D: Learning How Things Move in 3D from Internet Stereo Videos

Linyi Jin, Richard Tucker, Zhengqi Li, David Fouhey, Noah Snavely*, Aleksander Holýński*

under review

MegaSaM: Accurate, Fast and Robust Structure and Motion from Casual Dynamic Videos

Zhengqi Li, Richard Tucker, Forrester Cole, Qianqian Wang, Linyi Jin, Vickie Ye, Angjoo Kanazawa, Aleksander Holýński, Noah Snavely

under review

3DFIRES: Few Image 3D REconstruction for Scenes with Hidden Surface

Linyi Jin, Nilesch Kulkarni, David Fouhey

CVPR 2024

FAR: Flexible, Accurate and Robust 6DoF Relative Camera Pose Estimation

Chris Rockwell, Nilesch Kulkarni, Linyi Jin, Jeong Joon Park, Justin Johnson, David Fouhey

CVPR 2024 **Highlight**

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.

Nilesch 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

Google Deepmind

Student Researcher

Research topic: 4D reconstruction. Supervisor: Noah Snavely, Aleksander Holýński.

New York City, NY

05.2024–now

Adobe Inc.

Computer Vision Research Intern

Research topic: Camera Calibration. Supervisor: Jianming Zhang.

San Jose, CA

05.2021–08.2021

Fouhey AI Lab

Graduate Student Research Assistant

Advisor: Prof. David Fouhey

Ann Arbor, MI

05.2019–04.2021

Autonomous Robotic Manipulation Lab (ARM Lab)

Undergraduate Research Assistant

Advisor: Prof. Dmitry Berenson

Ann Arbor, MI

04.2018–04.2019

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**