FANG LI

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EDUCATION

University of Illinois at Urbana-Champaign, *Aug 2024 – Till Now*
Ph.D. in Electrical & Computing Engineering, Advisor: Prof. Narendra Ahuja
Research Interests: 4D Vision (Visual Localization; Reconstruction/NVS; Understanding)
University of Illinois at Urbana-Champaign *Aug 2021 – May 2023*
M.S. in Industrial Engineering (Advanced Analytics)

PROFESSIONAL EXPERIENCE

HP Inc, CA | ML Research Intern | Adv: Dr. Kar-Han Tan *May 2025 - Aug 2025*
- Real-time Visual Re-localization based on Webcam RGB Streaming Inputs.

UIUC | Grad Research Assistant | Adv: Prof. Narendra Ahuja *Aug 2022 – May 2024*
- Open-NeRF(WACV2024), CSL(AAAI2024), LIMR(ICLR2024), S3O(ICML2024).

UIUC | Grad Research Assistant | Adv: Prof. Volodymyr Kindratenko *May 2022 – Aug 2022*
- Unknown Deep Ocean Species Detection.

ONGOING

Feed-forward 4D reconstruction and localization.

PUBLICATIONS

[1] RGB-Only Supervised Camera Parameter Optimization in Dynamic Scenes
Fang Li, Hao Zhang, Narendra Ahuja
NeurIPS 2025 Spotlight

[2] MagicPose4D: Crafting Articulated Models with Appearance and Motion Control
Hao Zhang, Di Chang, **Fang Li**, Mohammad Soleymani, Narendra Ahuja
TMLR

[3] S3O: A Dual-Phase Approach for Reconstructing Dynamic Shape and Skeleton of Articulated
Objects from Single Monocular Video
Hao Zhang, **Fang Li**, Samyak Rawlekar, Narendra Ahuja
ICML 2024

[4] LIMR: Learning Implicit Representation for Reconstructing Articulated Objects
Hao Zhang, **Fang Li**, Samyak Rawlekar, Narendra Ahuja
ICLR 2024

[5] CSL: Class-Agnostic Structure-Constrained Learning for Segmentation Including the Unseen
Hao Zhang, **Fang Li**, Lu Qi, Ming-Hsuan Yang, Narendra Ahuja
AAAI 2024

[6] Open-NeRF: Towards Open Vocabulary NeRF Decomposition
Hao Zhang, **Fang Li**, Narendra Ahuja
WACV 2024

PROFESSIONAL ACTIVITIES

Conference Reviewer: NeurIPS, ICLR, CVPR, ICML, ICCV
Journal Reviewer: IJCV, TMLR