

Zhuoyang Pan

 github.com/Zhuoyang-Pan  panzhy.com  zhuoyangpan@outlook.com  +1 (510) 229-8109

EDUCATION

University of Pennsylvania

M.S.E. in Computer and Information Science

Philadelphia, PA

Aug. 2025 - Present

University of California, Berkeley

Visiting Student in Computer Science

Berkeley, CA

Aug. 2023 - May. 2024

ShanghaiTech University

B.Eng. in Computer Science and Technology

Shanghai, China

Sept. 2021 - Jun. 2025

PUBLICATIONS & PREPRINTS

Learning Complex Dexterous Manipulations from Videos

Zhuoyang Pan, Yunzhou Song, Junyao Shi, Jiahui Lei, ..., Kostas Daniilidis.

In Preparation for Submission.

Zero-shot Reconstruction of In-Scene Hand Object Manipulation

Dixuan Lin, Tianyou Wang, **Zhuoyang Pan**, Lingjie Liu, Yufu Wang, Kostas Daniilidis.

Under Review, 2025.

Kirin: Animal Motion Generation from In-the-wild Video

Brian Nlong Zhao*, **Zhuoyang Pan***, James Matthew Rehg, Jiajun Wu, Shangzhe Wu.

*Under Review, 2025. * Equal Contribution.*

PosePAL: Efficient Animal Pose Labeling Using Point Trackers

Zhuoyang Pan, Boxiao Pan, Guandao Yang, Adam W. Harley, Leonidas Guibas.

CVPR 2025@CV4Animals, Oral Presentation. Invited Submission to IJCV. [Code] [Project Page]

SOAR: Self-Occluded Avatar Recovery from a Single Video In the Wild

Zhuoyang Pan*, Angjoo Kanazawa, Hang Gao*.

*Arxiv preprint (ArXiv:2410.23800), 2024. * Equal Contribution. [Code] [Project Page]*

Gsplat: An Open-Source Library for Gaussian Splatting

Vickie Ye, Ruilong Li, Justin Kerr, Matias Turkulainen, Brent Yi, **Zhuoyang Pan**, Otto Seiskari, Jianbo Ye, Jeffrey Hu, Matthew Tancik, Angjoo Kanazawa.

Journal of Machine Learning Research (JMLR) 26, no. 34 (2025): 1-17. [Code] [Project Page]

RESEARCH EXPERIENCES

GRASP Laboratory, University of Pennsylvania

Learning Robot Dexterous Hands Manipulation from Videos.

Advisor: Prof. Kostas Daniilidis, Dr. Jiahui Lei

Aug. 2025 - Present

Stanford Vision and Learning Lab, Stanford University

Learning Animal Motions from Videos (Kirin); Point Tracking for Motion Understanding (PosePAL).

Advisor: Prof. Leonidas Guibas, Dr. Adam Harley, Dr. Guandao Yang; Prof. Shangzhe Wu

June. 2024 - Aug. 2025

Berkeley AI Research(BAIR), UC Berkeley

Building Human Avatars from in-the-wild Videos (SOAR); Efficient 3D Gaussians Modeling (Gsplat).

Advisor: Prof. Angjoo Kanazawa, Dr. Hang Gao

Sept. 2023 - May. 2024

TEACHING EXPERIENCES

Teaching Assistant in CIS6800: Advanced Topics in Machine Perception

Instructor: Prof. Jianbo Shi, University of Pennsylvania

Fall 2025

HONORS & AWARDS

CVPR Full Conference Registration Award, CV4Animals Workshop

2025

Undergraduate Scholarship (Top 2%), ShanghaiTech University

2024

SKILLS

Programming Languages: Python, C/C++, CUDA, GLSL, MATLAB, RISC-V, Pascal, Swift

Frameworks: PyTorch, Pytorch3d, Nvdiffrast, OpenCV, Numpy

Tools: Maya, Unity, Blender, Metashape, Reality Capture, git, L^AT_EX, Markdown