Jason Y. Zhang

jasonyzhang.com jasonyzhang2@gmail.com

EDUCATION

Carnegie Mellon University August 2019 – May 2024
Robotics Institute, Ph.D. GPA: 4.05
Advisers: Deva Ramanan, Shubham Tulsiani

University of California, Berkeley August 2015 – December 2018
Computer Science, B.A. *w/ Highest Distinction* GPA: 3.99
Advised by: Jitendra Malik, Angjoo Kanazawa, Anca Dragan

EXPERIENCE

Google June 2024 – Present
Research Scientist *San Francisco, CA*

Facebook AI Research May 2022 – November 2022
Research Intern *London, UK*
Advised by Andrea Vedaldi

Facebook AI Research August 2019 – May 2020
Research Intern *Pittsburgh, PA*
Advised by Jitendra Malik

UC Berkeley Statistics Department June 2016 – January 2019
Course Developer for Stat 140 *Berkeley, CA*

LinkedIn May 2017 – August 2017
Software Engineer Intern *Sunnyvale, CA*

AWARDS AND HONORS

- NSF Graduate Research Fellowship 2020 – 2023
- Highest Distinction in General Scholarship Spring 2019
- Outstanding Graduate Student Instructor Award Spring 2019
- Computer Science Department Honors Thesis Fall 2018
- Quantedge Award for Academic Excellence Fall 2017
- Erdős Number: 3

TEACHING EXPERIENCE

16-899: Learning for 3D Vision Spring 2022
Teaching Assistant *Pittsburgh, PA*

16-720: Computer Vision Spring 2021
Head Teaching Assistant *Pittsburgh, PA*

Statistics 140: Probability for Data Science Fall 2018
Head Teaching Assistant *Berkeley, CA*

Statistics 140: Probability for Data Science Spring 2018
Head Teaching Assistant *Berkeley, CA*

Statistics 134: Concepts of Probability Fall 2017
Teaching Assistant *Berkeley, CA*

Statistics 140: Probability for Data Science Spring 2017
Teaching Assistant *Berkeley, CA*

SERVICE

- Reviewer: CVPR (20-25), ICCV (21-25), ICLR (24-25), Eurographics (25), ECCV (24), 3DV (24), SIGGRAPH (23), SIGGRAPH Asia (22-23), ICRA (21), WACV (20), ACCV (20), TPAMI
- Organizer: CMU Misc-Read Vision Reading Group (2020-2023)

PUBLICATIONS (REVERSE CHRONOLOGICAL ORDER)

[1] Stanislaw Szymanowicz, **Jason Y. Zhang**, Pratul Srinivasan, Ruiqi Gao, Arthur Brussee, Aleksander Holynski, Ricardo Martin-Brualla, Jonathan T. Barron, and Philipp Henzler. Bolt3D: Generating 3D Scenes in Seconds. arXiv:2503:14445

[2] Ruojin Cai, **Jason Y. Zhang**, Philipp Henzler, Zhengqi Li, Noah Snavely, and Ricardo Martin-Brualla. Can Generative Video Models Help Pose Estimation? In *Conference on Computer Vision and Pattern Recognition (CVPR)* 2025. arXiv:2412:16155

[3] Qitao Zhao, Amy Lin, Jeff Tan, **Jason Y. Zhang**, Deva Ramanan, and Shubham Tulsiani. DiffusionSfM: Predicting Structure and Motion via Ray Origin and Endpoint Diffusion. In *Conference on Computer Vision and Pattern Recognition (CVPR)* 2025. arXiv:2505:05473

[4] Xingchen Liu, Piyush Tayal, Jianyuan Wang, Jesus Zarzar, Tom Monnier, Konstantinos Tertikas, Jiali Duan, Antoine Toisoul, **Jason Y. Zhang**, Natalia Neverova, Andrea Vedaldi, Roman Shapovalov, and David Novotny. UnCommon Objects in 3D. In *Conference on Computer Vision and Pattern Recognition (CVPR)* 2025. arXiv:2501:07574

[5] **Jason Y. Zhang***, Amy Lin*, Moneish Kumar, Tzu-Hsuan Yang, Deva Ramanan, Shubham Tulsiani. Cameras as Rays: Sparse-view Pose Estimation via Ray Diffusion. In *International Conference on Learning Representations (ICLR) 2024*. arXiv:2402:14817

[6] Amy Lin*, **Jason Y. Zhang***, Deva Ramanan, and Shubham Tulsiani (* equal contribution). RelPose++: Recovering 6D Poses from Sparse-view Observations. In *International Conference on 3D Vision (3DV) 2024*. arXiv:2305:04926

[7] Samarth Sinha, **Jason Y. Zhang**, Andrea Tagliasacchi, Igor Gilitschenski, and David B. Lindell. SparsePose: Sparse-View Camera Pose Regression and Refinement. In *Conference on Computer Vision and Pattern Recognition (CVPR) 2023*. arXiv:2211:16991.

[8] Haithem Turki, **Jason Y. Zhang**, Francesco Ferroni, and Deva Ramanan. SUDS: Scalable Urban Dynamic Scenes. In *Conference on Computer Vision and Pattern Recognition (CVPR) 2023*. arXiv:2303:14536

[9] **Jason Y. Zhang**, Deva Ramanan, and Shubham Tulsiani. RelPose: Probabilistic Relative Orientation Estimation for Objects in the Wild. In *European Conference on Computer Vision (ECCV)* 2022. arXiv:2208:5963.

[10] **Jason Y. Zhang**, Gengshan Yang, Shubham Tulsiani*, and Deva Ramanan* (* equal contribution). NeRS: Neural Reflectance Surfaces for Sparse-view 3D Reconstruction in the Wild. In *Neural Information Processing Systems (NeurIPS)* 2021. arXiv:2110:07604

[11] **Jason Y. Zhang***, Sam Pepose*, Hanbyul Joo, Deva Ramanan, Jitendra Malik, and Angjoo Kanazawa (* equal contribution). Perceiving 3D Human-Object Spatial Arrangements from a Single Image in the Wild. In *European Conference on Computer Vision (ECCV)* 2020. arXiv:2007:15649.

[12] **Jason Y. Zhang**, Angjoo Kanazawa, Panna Felsen, and Jitendra Malik. Predicting 3D Human Dynamics from Video. In *International Conference on Computer Vision (ICCV)* 2019. arXiv:1908.04781.

[13] Angjoo Kanazawa*, **Jason Y. Zhang***, Panna Felsen*, and Jitendra Malik (* equal contribution). Learning 3D Human Dynamics from Video. In *Conference on Computer Vision and Pattern Recognition (CVPR)* 2019. arXiv:1812.01601.

[14] **Jason Y. Zhang** and Anca D. Dragan. Learning from Extrapolated Corrections. In *International Conference on Robotics and Automation (ICRA)* 2019. arXiv:1812.01225.