Jason Y. Zhang

jasonyzhang.com jasonyzhang@cmu.edu

EDUCATION

Carnegie Mellon University August 2019 – *Present*
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

EXPERIENCE

Carnegie Mellon University August 2019 – *Present*
Graduate Research Assistant *Pittsburgh, PA*
Advised by Deva Ramanan, Shubham Tulsiani

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

University of California, Berkeley January 2017 – August 2019
Undergraduate Researcher *Berkeley, CA*
Advised by Jitendra Malik, Anca Dragan

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*

SERVICE

- Reviewer: CVPR (20-23), SIGGRAPH (23), SIGGRAPH Asia (22), ICCV (21), ICRA (21), WACV (20), ACCV (20), TPAMI
- Organizer: CMU Misc-Read Vision Reading Group (2020-*Present*)

PUBLICATIONS (REVERSE CHRONOLOGICAL ORDER)

[1] 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.

[2] 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

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

[4] **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

[5] **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.

[6] **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.

[7] 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.

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

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*

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

COURSEWORK

CMU:

Advanced Machine Learning
Computer Graphics
Computational Perception
Convex Optimization
Image Synthesis
Kinematics, Dynamics, and Control
Math for Robotics

Berkeley:

Algorithms
Algorithmic Human-Robot Interaction
Artificial Intelligence
Computer Vision
Computational Photography
Data Structures
Machine Learning
Operating Systems
Optimization
Probability Theory
Real Analysis