

EDUCATION

Stanford University Ph.D. in Computer Science Advisors: Silvio Savarese and Leonidas Guibas	Stanford, CA 2018–Current
Stanford University B.S. with Honor in Computer Science, GPA: 4.0/4.0 Advisors: Silvio Savarese and Leonidas Guibas	Stanford, CA 2014–2018

PUBLICATIONS

- [1] **B. Shen**, Z. Jiang, C. Choy, L. J. Guibas, S. Savarese, A. Anandkumar, and Y. Zhu, “Acid: Action-conditional implicit visual dynamics for deformable object manipulation”, *arXiv preprint arXiv:2203.06856*, 2022.
- [2] Y. Yang, H. Ren, H. Wang, **B. Shen**, Q. Fan, Y. Zheng, C. K. Liu, and L. Guibas, “Adela: Automatic dense labeling with attention for viewpoint adaptation in semantic segmentation”, in *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, 2022.
- [3] C. Li, F. Xia, R. Martín-Martín, M. Lingelbach, S. Srivastava, **B. Shen**, K. E. Vainio, C. Gokmen, G. Dharan, T. Jain, A. Kurenkov, K. Liu, H. Gweon, J. Wu, L. Fei-Fei, and S. Savarese, “Igibson 2.0: Object-centric simulation for robot learning of everyday household tasks”, in *5th Annual Conference on Robot Learning*, 2021.
- [4] **B. Shen***, F. Xia*, C. Li*, R. Martín-Martín*, L. Fan, G. Wang, S. Buch, C. D’Arpino, S. Srivastava, L. P. Tchammi, *et al.*, “iGibson 1.0, a Simulation Environment for Interactive Tasks in Large Realistic Scenes”, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2021)*, 2021.
- [5] F. Xia, **B. Shen**, C. Li, P. Kasimbeg, M. E. Tchammi, A. Toshev, R. Martín-Martín, and S. Savarese, “Interactive Gibson Benchmark: A benchmark for interactive navigation in cluttered environments”, *IEEE Robotics and Automation Letters*, 2020.
- [6] **B. Shen**, D. Xu, Y. Zhu, L. J. Guibas, L. Fei-Fei, and S. Savarese, “Situational fusion of visual representation for visual navigation”, in *Proceedings of the IEEE International Conference on Computer Vision*, 2019.
- [7] A. R. Zamir, **B. Shen***, A. Sax*, L. J. Guibas, J. Malik, and S. Savarese, “Taskonomy: Disentangling task transfer learning”, in *Proceedings of the IEEE conference on computer vision and pattern recognition*, 2018.
- [8] A. R. Zamir, T.-L. Wu, L. Sun, **B. Shen**, B. E. Shi, J. Malik, and S. Savarese, “Feedback networks”, in *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, 2017.
- [9] K.-H. Zeng, **B. Shen**, D.-A. Huang, M. Sun, and J. Carlos Niebles, “Visual forecasting by imitating dynamics in natural sequences”, in *Proceedings of the IEEE International Conference on Computer Vision*, 2017.

EXPERIENCES

Nvidia AI-Algorithm Research Research Intern with Yuke Zhu, Christopher Choy, Anima Anandkumar	Santa Clara, CA 06/2021-3/2022
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Stanford Geometric Computation Group Graduate Research Assistant with Prof. Leo Guibas	Stanford, CA 03/2021-present
Stanford Vision and Learning Lab Graduate Research Assistant with Prof. Silvio Savarese	Stanford, CA 09/2019-present
Stanford Geometric Computation Group Graduate Research Assistant with Prof. Leo Guibas	Stanford, CA 12/2018-04/2019
AiBee Inc. Research Intern with Prof. Silvio Savarese	Palo Alto, CA 06/2018-09/2018
Stanford Vision and Learning Lab Undergraduate Research Assistant with Prof. Silvio Savarese	Stanford, CA 08/2016-06/2018
Google Inc. Software Engineering Intern with Madhu R. Adupala	Mountain View, CA 06/2016-09/2016

SCHOLARSHIPS AND AWARDS

- **IEEE-CVPR 2021 Outstanding Reviewer** 2021
- **Outstanding Course Assistants** 2020
top 5% of Stanford CS department course assistants
- **Qualcomm Innovation Fellowship** 2019
26 students in total in North America, \$100k fellowship
- **IEEE-CVPR 2018 Best Paper Award** 2018
Taskonomy: Disentangling Task Transfer Learning
- **Frederick Emmons Terman Engineering Scholastic Award** 2018
top 5% of entire engineering graduating class
- **Stanford University Computer Science Departmental Honor** 2018
- **Stanford University Distinction** 2018
- **Tau Beta Pi Honor Society, Stanford University** 2017

TEACHING

- **Head Teaching Assistant** at Stanford University Spring 2020
CS231n: Convolutional Neural Networks for Visual Recognition
- **Teaching Assistant** at Stanford University Spring 2019
CS231n: Convolutional Neural Networks for Visual Recognition

SERVICES

- **Reviewer:** CVPR, ICCV, ECCV, AAAI
- **Outstanding Reviewer:** CVPR 2021