

Arjun Gupta

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EDUCATION

University of Illinois at Urbana-Champaign

PhD in Electrical and Computer Engineering

M.S. in Electrical and Computer Engineering

B.S. in Computer Engineering

- Graduated with Highest Honors (GPA: 3.97)

Urbana, IL

Jan. 2021 - Present

Jan. 2021 - Dec. 2022

Aug. 2017 - Dec. 2020

SELECTED PUBLICATIONS

1. Opening Articulated Objects in the Real World [\[webpage\]](#)
Arjun Gupta, Michelle Zhang*, Rishik Sathua*, Saurabh Gupta
Workshop on Semantics for Robotics at RSS, 2024 (Spotlight talk)
Under Review.
2. A Training-Free Framework for Precise Mobile Manipulation of Small Everyday Objects [\[webpage\]](#)
Arjun Gupta, Rishik Sathua, Saurabh Gupta
Under Review.
3. Estimating Perceptual Uncertainty to Predict Robust Motion Plans [\[webpage\]](#)
Arjun Gupta, Michelle Zhang, Saurabh Gupta
International Conference on Intelligent Robots and Systems (IROS), 2024
4. Mitigating Perspective Distortion-induced Shape Ambiguity in Image Crops [\[webpage\]](#)
Aditya Prakash, **Arjun Gupta**, Saurabh Gupta
European Conference on Computer Vision (ECCV), 2024
5. Predicting Motion Plans for Articulating Everyday Objects [\[webpage\]](#)
Arjun Gupta, Max E. Shepherd, Saurabh Gupta
International Conference on Robotics and Automation (ICRA), 2023
6. Learning Value Functions from Undirected State-only Experience [\[webpage\]](#)
Matthew Chang*, **Arjun Gupta***, Saurabh Gupta
International Conference on Learning Representations (ICLR), 2022
7. Semantic Visual Navigation by Watching YouTube Videos [\[webpage\]](#)
Matthew Chang, **Arjun Gupta**, Saurabh Gupta
Neural Information Processing Systems (NeurIPS), 2020

AWARDS AND HONORS

Andrew T. Yang Research and Entrepreneurship Award	2022 - 2024
• Full graduate funding for two years.	
Henry O. Koehler Merit Scholarship	2020
Daniel W. and Carol A. Dobberpuhl Award ¹	2020
Omron Electrical Engineering Scholarship ²	2019, 2020
Fiddler Innovation Undergraduate Student Fellowship	2019
Ackmann Family Scholarship ¹	2018

¹Awarded to one student out of a pool of 1000+, ²Awarded to two students out of a pool of 1000+

SKILLS

Programming: Python, C++/C, ROS, Matlab.

Software: PyTorch, Keras, Tensorflow, NumPy, SciPy, OpenAI Gym, Git.