

Arjun Gupta

arjung2@illinois.edu | arjung128.github.io

EDUCATION

University of Illinois at Urbana-Champaign

Urbana, IL

PhD in Electrical and Computer Engineering

Jan. 2021 - Present

M.S. in Electrical and Computer Engineering

Jan. 2021 - Dec. 2022

B.S. in Computer Engineering

Aug. 2017 - Dec. 2020

- Graduated with Highest Honors (GPA: 3.97)

SELECTED PUBLICATIONS

- | | |
|---|---|
| 1. Opening Articulated Objects in the Real World
Arjun Gupta , Michelle Zhang*, Rishik Sathua*, Saurabh Gupta | Under Review
[webpage] |
| 2. A Training-Free Framework for Precise Mobile Manipulation of Small Everyday Objects
Arjun Gupta , Rishik Sathua, Saurabh Gupta | Under Review
[webpage] |
| 3. Estimating Perceptual Uncertainty to Predict Robust Motion Plans
Arjun Gupta , Michelle Zhang, Saurabh Gupta | IROS 2024
[webpage] |
| 4. Mitigating Perspective Distortion-induced Shape Ambiguity in Image Crops
Aditya Prakash, Arjun Gupta , Saurabh Gupta | ECCV 2024
[webpage] |
| 5. Predicting Motion Plans for Articulating Everyday Objects
Arjun Gupta , Max E. Shepherd, Saurabh Gupta | ICRA 2023
[webpage] |
| 6. Learning Value Functions from Undirected State-only Experience
Matthew Chang*, Arjun Gupta *, Saurabh Gupta | ICLR 2022
[webpage] |
| 7. Semantic Visual Navigation by Watching YouTube Videos
Matthew Chang, Arjun Gupta , Saurabh Gupta | NeurIPS 2020
[webpage] |

RESEARCH EXPERIENCE

Hello Robot Inc.

Martinez, CA

Research Intern

Oct. 2024 - Dec. 2024

- Developed general-purpose grasping functionality for Stretch AI using sim2real techniques.

[\[webpage\]](#)

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.