

# Arjun Gupta

arjung2@illinois.edu | arjung128.github.io

## EDUCATION

---

### University of Illinois at Urbana-Champaign

Urbana, IL

*PhD in Electrical and Computer Engineering*

*Jan. 2023 - 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 Cabinets and Drawers in the Real World using a Commodity Mobile Manipulator [\[webpage\]](#)  
**Arjun Gupta**, Michelle Zhang, Rishik Sathua, Saurabh Gupta  
*Workshop on Semantics for Robotics at Robotics: Science and Systems (RSS), 2024 (Spotlight talk)*  
*Under Review at RA-L.*
2. Servoing with Large Vision Models for Stylized Manipulation of Everyday Little Things [\[webpage\]](#)  
**Arjun Gupta**, Rishik Sathua, Saurabh Gupta  
*Under Review at ICRA 2025.*
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 <sup>1</sup>	2020
Omron Electrical Engineering Scholarship <sup>2</sup>	2019, 2020
Fiddler Innovation Undergraduate Student Fellowship	2019
Ackmann Family Scholarship <sup>1</sup>	2018

<sup>1</sup>Awarded to one student out of a pool of 1000+, <sup>2</sup>Awarded 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.