Arjun Gupta

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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)

PUBLICATIONS

1. Predicting Motion Plans for Articulating Everyday Objects
   Arjun Gupta, Max E. Shepherd, Saurabh Gupta
   International Conference on Robotics and Automation (ICRA), 2023

2. Learning Value Functions from Undirected State-only Experience
   Matthew Chang*, **Arjun Gupta***, Saurabh Gupta
   International Conference on Learning Representations (ICLR), 2022

3. Text Embedding Bank for Detailed Image Paragraph Captioning
   Arjun Gupta, Zack Shen, Thomas Huang
   Association for the Advancement of Artificial Intelligence (AAAI), 2021 [Student Abstract]

4. Semantic Visual Navigation by Watching YouTube Videos
   Matthew Chang, **Arjun Gupta**, Saurabh Gupta
   Neural Information Processing Systems (NeurIPS), 2020

5. Deep Learning for Cardiologist-level Myocardial Infarction Detection in Electrocardiograms
   Arjun Gupta, Eliu Huerta, Zhizhen Zhao, Issam Moussa
   European and Medical Biological Engineering Conference (EMBEC), 2020

PREPRINTS

1. Opening Cabinets and Drawers in the Real World using a Commodity Mobile Manipulator   [webpage]
   Arjun Gupta*, Michelle Zhang*, Rishik Sathua, Saurabh Gupta
   In Submission to Conference on Robot Learning (CoRL), 2024

2. Estimating Perceptual Uncertainty to Predict Robust Motion Plans
   Arjun Gupta, Michelle Zhang, Saurabh Gupta
   Deployable Workshop at Conference on Robot Learning (CoRL), 2023
   In Submission to International Conference on Intelligent Robots and Systems (IROS), 2024

3. Mitigating Perspective Distortion-induced Shape Ambiguity in Image Crops
   Aditya Prakash, **Arjun Gupta**, Saurabh Gupta
   In Submission to European Conference on Computer Vision (ECCV), 2024

4. OpenRadar: A Toolkit for Prototyping mmWave Radar Applications
   Arjun Gupta*, Dashiell Kosaka*, Edwin Pan*, Jingning Tang*, Ruihao Yao*, Sanjay Patel
   arXiv preprint (2019)

*denotes equal contribution.