

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. 2023 - Present

Jan. 2021 - Dec. 2022

Aug. 2017 - Dec. 2020

AWARDS AND HONORS

Andrew T. Yang Research and Entrepreneurship Award

2022

- Full graduate funding for two years.

Henry O. Koehler Merit Scholarship

2020

Daniel W. and Carol A. Dobberpuhl Award¹

2020

Omron Electrical Engineering Scholarship²

2019, 2020

Fiddler Innovation Undergraduate Student Fellowship

2019

Ackmann Family Scholarship¹

2018

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

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. Estimating Perceptual Uncertainty to Predict Robust Motion Plans

Arjun Gupta, Michelle Zhang, Saurabh Gupta

In Submission to International Conference on Robotics and Automation (ICRA), 2024

2. Mitigating Perspective Distortion-induced Shape Ambiguity in Image Crops

Aditya Prakash, **Arjun Gupta**, Saurabh Gupta

arXiv preprint (2023)

*denotes equal contribution.