

# Arjun Gupta

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## EDUCATION

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### 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

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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 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+

## PUBLICATIONS

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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

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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. 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.