



Zijun Cui

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[Google Scholar](#)

[GitHub](#)

[Personal Website](#)

About Me:

Dr. Cui is joining MSU as an assistant professor in Fall 2024. Before joining MSU, she was a postdoctoral research fellow at the University of Southern California. She received the Ph.D. degree from Rensselaer Polytechnic Institute in 2022. Prior to that, Dr. Cui received the B.S. degree from the Department of Physics at the University of Science and Technology of China and her M.S. degree from the School of Engineering at Brown University. Dr. Cui has worked on deep learning, computer vision, and probabilistic graphical models. Her research interests lie in leveraging domain knowledge to advance deep learning, include physics-informed deep learning and neural-symbolic integration. Her research applications include computer vision, healthcare, and natural language processing. Her work appears in conferences such as *CVPR*, *NeurIPS*, *AAAI*, *IJCAI*, *UAI*, *AISTATS*, *MICCAI* and journals such as *IEEE Transaction on Neural Networks and Learning Systems*. From 2019 to 2022, she was awarded the Rensselaer-IBM Artificial Intelligence Research Collaboration Scholarship.

Research Opportunities:

Open Internship / Fully-funded Research Assistant (RA) positions working on research directions:

- Knowledge-augmented Deep learning, including Physics-informed Machine Learning and Neural-symbolic Integration
- Probabilistic Graphical Models and Causality
- Computer Vision
- AI for Health

Who Should Apply:

I am looking for students who are truly passionate about research and are strongly self-motivated. Preference will be given to students with deep learning skills, cross-disciplinary backgrounds, and a strong foundation in mathematics.

How to Apply:

If you are interested in joining my group, please send the following to [my email address](#):

- A brief statement of research interest
- Your CV or resume
- Unofficial transcripts

Contact Information:

For more information, please visit [my personal website](#) or contact me at [my email address](#).

I look forward to working with you!