

# Puja Trivedi

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## Education

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*University of Michigan, College of Engineering*  
PhD Student in Computer Science and Engineering  
Advisor: Danai Koutra

*Aug 2019 - May 2024*

*University of Maryland, Baltimore County*  
BS in Mathematics, *summa cum laude*  
BS in Computer Science, *summa cum laude*

*May 2019*

## Research Interests

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Graph mining, Deep learning, Continual learning

## Publications

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[1]: Ekdeep Singh Lubana, **Puja Trivedi**, Conrad Hougen, Robert P. Dick and Alfred O. Hero. OrthoReg: Robust Network Pruning Using Orthonormality Regularization. *arXiv:cs.CV*, 2020.

[2]: **Puja Trivedi**, Alican Buyukcakil, Yin Lin, Yin Long Qian, Di Jin, Danai Koutra. On Structural vs. Proximity-based Temporal Node Embeddings. *In Proc. ACM SIGKDD: Workshop on Mining and Learning with Graphs*, 2020

## Experience

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*Smart Information Flow Technologies, Minneapolis, MN*  
Research Intern, Bayesian Experimental Modeling project cont'd

*Summer 2019*

*Smart Information Flow Technologies, Minneapolis, MN*  
Research Intern, Bayesian Experimental Modeling

*Summer 2018*

*Multi-agent Planning and Learning Lab, UMBC*  
Student Researcher, Abstract Markov Decision Processes

*2017- 2018*

*Princeton Neuroscience Institute, Princeton, NJ*  
REU Student, Learning an unsupervised postural manifold for naturalistic animal behavior

*Summer 2017*

*Worcester Polytechnic Institute, Worcester, MA*  
REU Student, Multi-task learning for convolutional neural networks classifying fMRI scans

*Summer 2016*

*Johns Hopkins University, Applied Physics Lab, Fulton, MD*  
Student Researcher, Characterizing CVD graphene

*2014-2015*

## Teaching

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*UMBC MATH151: Calculus I*  
Teaching Assistant

*Fall 18, Spring '19*

## Honors & Awards

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**2019:** Dwight F. Benton 1st Year Doctoral Fellowship  
**2019:** Phi Beta Kappa  
**2019:** Outstanding Graduating Senior in Computer Science  
**2019:** Outstanding Graduating Senior in Mathematics  
**2019:** Honors College Academic Achievement Award  
**2018:** Pi Mu Epsilon  
**2016:** NSF Research Experience for Undergraduates, WPI  
**2015-2019:** Meyerhoff Scholar  
**2015-2019:** National Security Agency Scholar

## Reviewing

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*ACM International Conference on Information and Knowledge Management (CIKM)* 2020  
PC Member for Posters and Demos sessions.

*The Web Conference (WWW)* 2019,2020  
Sub-reviewer

## Technical Skills

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**Languages:** Python, C/C++, Bash  
**Technologies:** PyTorch, Git

## Volunteering & Mentoring

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**2020:** College of Engineering, Mentor for "Chat with a Grad" Mentoring Program  
**2020:** Member of CSEG Wellness  
**2017-2019:** Peer mentor for Meyerhoff Scholars Program