Tang **Li**

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Research Interests

I am interested in (1) Explainable Machine Learning, (2) Scientific Machine Learning, and (3) Out-of-distribution Generalization, with their applications in Geo and Biomedical Science.

Education

University of Delaware — *Newark, DE, USA*
Ph.D. in Computer Science — *August 2020 - Present*

George Washington University — *Washington, D.C., USA*
M.S. in Computer Science — *August 2018 - May 2020*

East China Normal University — *Shanghai, China*
B.Eng. in Software Engineering — *September 2013 - July 2017*

Publications

Conference Proceedings

C2. **Tang Li**, Fengchun Qiao, Mengmeng Ma, and Xi Peng, **"Are Data-driven Explanations Robust against Out-of-distribution Data?".** In: *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2023.

C1. **Tang Li**, Jing Gao, and Xi Peng, **"Deep Learning for Spatiotemporal Modeling of Urbanization".** In: *Proceedings of the Conference on Neural Information Processing Systems (**NeurIPS**) Machine Learning in Public Health Workshop, **Best Paper Award***, 2021.

Experience

Deep-REAL Lab, University of Delaware — *Newark, DE, USA*
Supervised by Prof. Xi Peng — *March 2021 - Present*

- Large-scale Spatiotemporal Scientific Data Modeling [**NeurIPS'21W, Best Paper Award**]
- Distributionally Robust Explanation for Out-of-distribution Generalization [**CVPR'23**]

Computer & Information Sciences Department, University of Delaware — *Newark, DE, USA*
Teaching Assistant — *August 2020 - Present*

- CISC 108 (Introduction to Computer Science), Fall2020, Spring2021, Fall2021
- CISC 181 (Introduction to Computer Science II), Spring2022, Spring2023
- CISC 484 (Introduction to Machine Learning), Fall2022

Professional Services

DSI Fellow

- University of Delaware Data Science Institute (DSI), 2022-Present

Honors & Awards

2021 **Best Paper Award,** MLPH Workshop, Conference on Neural Information Processing Systems (NeurIPS)
2022 **Distinguished Graduate Student Award,** Computer & Information Sciences, University of Delaware
2023 **Department Travel Award for Outstanding Conference Publications,** University of Delaware

Technical Skills

Programming Languages	Python, Java, JavaScripts, C/C++, HTML/CSS
Frameworks	PyTorch, TensorFlow, OpenCV
Tools and Platforms	Linux, MacOS, Windows, Git, LaTeX