

# Mengmeng Ma

PH.D. STUDENT, UNIVERSITY OF DELAWARE

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## Research Interests

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I am interested in (1) multimodal learning, (2) out-of-distribution generalization, and (3) federated learning, with their applications in computer vision.

## Education

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### University of Delaware

Ph.D. in Computer Science

Newark, DE, USA

August 2020 - Present

### University of Southern California

M.S. in Electrical Engineering

Los Angeles, CA, USA

May 2019

### Northwest A&F University

B.Eng. in Electrical Engineering

Shaanxi, China

June 2016

## Experience

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### Deep-REAL Lab, University of Delaware

Research Assistant. Supervised by Prof. Xi Peng

Newark, DE USA

September 2019 - Present

- Multimodal Learning With Missing Modalities [[AAAI'21](#), [CVPR'22](#)]

### Computer & Information Sciences Department, University of Delaware

Teaching Assistant.

Newark, DE USA

August 2020 - May 2022

- CISC 683/483 (Data Mining), Fall 2020-2021, Spring 2021-2022.
- CISC 642/442 (Computer Vision), Fall 2020.

## Publications

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### Conference Proceedings

- C2. **M. Ma**, J. Ren, L. Zhao, D. Testuggine, and X. Peng. "Are Multimodal Transformers Robust to Missing Modality?." In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022.
- C1. **M. Ma**, J. Ren, L. Zhao, S. Tulyakov, C. Wu, and X. Peng. "SMIL: Multimodal Learning With Severely Missing Modality." In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 2021.

## Honors & Awards

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### 2022 Graduate Student Travel Award

University of Delaware

### 2021 Distinguished Graduate Student Award

Computer & Information Sciences Department, University of Delaware

## Professional Services

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### Conference Reviewer

- ACM International Conference on Multimedia (ACM MM), 2019 - 2022

### Journal Reviewer

- Neural Networks

## Technical Skills

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**Programming Languages** Python, C/C++, Matlab, HTML/CSS

**Frameworks** PyTorch, TensorFlow, OpenCV

**Tools and Platforms** Linux, macOS, Git, Vim, L<sup>A</sup>T<sub>E</sub>X