

August 14, 2025

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## Education

2017 Aug.-2025 Feb.	<b>Ph.D.</b> , Computer Science, The Graduate Center, City University of New York
2017 Aug.-2021 July	<b>M.S.</b> , Computer Science, The Graduate Center, City University of New York
2014 Aug.-2016 June	<b>M.S.</b> , Computer Science, Illinois Institute of Technology

## Research Experience

2025 Jan.-Present	Postdoctoral Fellow, Department of Bioinformatics and Computational Biology, The University of Texas MD Anderson Cancer Center
2017 Aug.-2024 Nov.	Research Assistant, Department of Computer Science, The Graduate Center, City University of New York

## Teaching Experience

2022 Sep.-2024 May	Adjunct Lecturer, Department of Computer Science, City College of New York, City University of New York
2022 Jan.-2022 May	Adjunct Lecturer, Department of Computer Science, Brooklyn College, City University of New York

## Industry Experience

2022 June-2022 Aug.	Software Engineer Developer Intern, Amazon
2019 June-2019 Aug.	Summer Research Intern, AT&T Labs
2018 May-2018 Aug.	Summer Research Intern, Pitney Bowes

## Publications

- [1] Chunyu Yuan, Dongfang Zhao, and Sos S. Agaian. “UCM-NetV2: An efficient and accurate deep learning model for skin lesion segmentation”. In: *Journal of Economy and Technology* 3 (2025), pp. 251–263. ISSN: 2949-9488.
- [2] Chunyu Yuan, Dongfang Zhao, and Sos S. Agaian. “MUCM-Net: a Mamba powered UCM-Net for skin lesion segmentation”. In: *Exploration of Medicine* 5.6 (2024), pp. 694–708.
- [3] Chunyu Yuan, Dongfang Zhao, and Sos S. Agaian. “UCM-Net: A lightweight and efficient solution for skin lesion segmentation using MLP and CNN”. In: *Biomedical Signal Processing and Control* 96 (2024), p. 106573.

- [4] Chunyu Yuan and Sos S Agaian. “A comprehensive review of binary neural network”. In: *Artificial Intelligence Review* 56.11 (2023), pp. 12949–13013.
- [5] Chunyu Yuan and Sos S Agaian. “A MIX-decision CNN solution for real-time semantic segmentation on embedded devices”. In: *Multimodal Image Exploitation and Learning 2023*. Vol. 12526. SPIE. 2023, pp. 116–124.
- [6] Chunyu Yuan and Sos S Agaian. “BiThermalNet: A lightweight network with BNN RPN for thermal object detection”. In: *Multimodal Image Exploitation and Learning 2022*. Vol. 12100. SPIE, 2022, pp. 114–123.

## Reviewer Roles

ICLR Workshop MLGenX (2024, 2025)  
 IEEE Journal of Biomedical and Health Informatics (2025 – Present, IF: 7.7)  
 The International Journal of Interactive Multimedia and Artificial Intelligence(2024 - Present, IF: 3.4)  
 Transactions on Neural Networks and Learning Systems (2024 - Present, IF: 10.4)  
 Information Fusion (2024 - Present, IF: 14.8)  
 Scientific Reports (2024 - Present, IF: 3.8)  
 IEEE Access (2024 - Present, IF: 3.4) Artificial Intelligence Review (2023 - Present, IF: 10.7)  
 IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) (2023 - Present, IF: 8.4)  
 Journal of Big Data (2023 - Present, IF: 8.6)  
 Journal of Real-Time Image Processing (2023 - Present, IF: 2.9)