ChengAo Shen

chengaoshen.com | cshen9@uh.edu | +1(713)-429-7730

Education

2025 - Present Ph.D. in Computer Science at **University of Houston**
2020 - 2024 BSc. in Information and Computing Science at **Sichuan Agricultural University**

Work Experience

Hangzhou Fudian Intelligent Information Technology Co., Ltd Jul 2020 - Jun 2024

– Designed and developed iOS applications and web pages
– Applied computer vision algorithms to support real-world production scenarios

Publications

[1] J. Ni, Z. Zhao, *et al.*, "Harnessing vision models for time series analysis: A survey," in *IJCAI*, 2025.

[2] C. Shen, Z. Chen, *et al.*, "Exploring multi-modal integration with tool-augmented llm agents for precise causal discovery," in *ACL(Findings)*, 2025.

[3] C. Shen, W. Yu, *et al.*, *Multi-modal view enhanced large vision models for long-term time series forecasting*, 2025. arXiv: 2505.24003 [cs.LG]. [Online]. Available: https://arxiv.org/abs/2505.24003.

[4] Z. Zhao, C. Shen, *et al.*, *From images to signals: Are large vision models useful for time series analysis?* 2025. arXiv: 2505.24030 [cs.LG]. [Online]. Available: https://arxiv.org/abs/2505.24030.

[5] Z. Lu, Y. Gong, *et al.*, "Portable, intelligent miecl sensing platform for ciprofloxacin detection using a fast convolutional neural networks-assisted tb@lu2o3 nanoemitter," *Food Chemistry*, vol. 444, p. 138 656, 2024, ISSN: 0308-8146.

[6] C. Shen, S. Mu, *et al.*, "Emoji kitchen with controlled fusion," in *ICLR(Tiny paper track)*, 2024.

[7] C. Wu, H. Chang, *et al.*, "Deep learning-assisted rapid assessment of food freshness using an anti-interfering triple-emission ratiometric fluorescent sensor," *ACS Sustainable Chemistry & Engineering*, vol. 12, no. 6, pp. 2465–2475, 2024.

Skills

Programming Proficient in Python; Experienced with Go and C++
Data Science Skilled in Numpy, Pytorch, Pandas etc.
Languages Chinese(native), English(fluent), Japanese(intermediate)