

# ChengAo Shen

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## EDUCATION

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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

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**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

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- [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," in *NeurIPS*, 2025.
- [4] C. Shen, Z. Zhao, *et al.*, "Svttime: Small time series forecasting models informed by "physics" of large vision model forecasters," in *arXiv*, 2025.
- [5] Z. Zhao, C. Shen, *et al.*, "From images to signals: Are large vision models useful for time series analysis?" In *arXiv*, 2025.
- [6] 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.
- [7] C. Shen, S. Mu, *et al.*, "Emoji kitchen with controlled fusion," in *ICLR(Tiny paper track)*, 2024.
- [8] 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

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Programming Proficient in Python; Experienced with Go and C++

Data Science Skilled in Numpy, Pytorch, Pandas etc.

Languages Chinese(native), English(fluent), Japanese(intermediate)