



**Chen Liu**

PhD Candidate

The University of Queensland, Australia

**Research Interests:** Multimodal Processing; Image/Gesture Generation

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Google Scholar

## EDUCATION

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- **The University of Queensland** 2023.10-Current  
*PhD Candidate, School of Electrical Engineering and Computer Science*
- **University of Technology Sydney** 2022.10-2023.10  
*PhD Student, Information Technology*
- **The Northwest A&F University** 2019.09-2022.09  
*ME in Agricultural Engineering* GPA: 89.1/100

## PUBLISHED PAPERS

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- **Chen Liu**, Peike Li, Qingtao Yu, Hongwei Sheng, Dadong Wang, Lincheng Li, Xin Yu. "Benchmarking Audio Visual Segmentation for Long-Untrimmed Videos". **CVPR**, 2024
- **Chen Liu**, Peike Li, Xingqun Qi, Hu Zhang, Lincheng Li, Dadong Wang, Xin Yu. "Audio-Visual Segmentation by Exploring Cross-Modal Mutual Semantics". **ACM MM**, 2023
- **Chen Liu**, Peike Li, Hu Zhang, Dadong Wang, Xin Yu. "Open-world Audio Visual Segmentation via Enriching the audio-visual feature space". **IJCNN Workshop (Invited Paper)**, 2023
- Xinhui Song\*, **Chen Liu**\*, Youyi Zheng, Zunlei Feng, Lincheng Li, Kun Zhou, Xin Yu. "HairStyle Editing via Parametric Controllable Strokes". **TVCG**, 2023.
- Qixing Qun, **Chen Liu**, Muyi Sun, Lincheng Li, Changjie Fan, Xin Yu. "Diverse 3D hand gesture prediction from body dynamics by bilateral hand disentanglement". **CVPR**, 2023.
- Qingtao Yu, Heming Du, **Chen Liu**, Xin Yu. "When 3D Bounding-Box Meets SAM: Point Cloud Instance Segmentation with Weak-and-Noisy Supervision". **WACV**, 2023.
- **Chen Liu**, Huaqi Zhu, Wang Guo, Xiao Han, Cheng Chen, Huarui Wu. "EFDet: An efficient detection method for cucumber disease under natural complex environments". **Computers and Electronics in Agriculture**, 2022.
- **Chen Liu**, Chunjiang Zhao, Huarui Wu, Xiao Han, Shuqin Li. "ADDLight: An energy-saving adder neural network for cucumber disease classification". **Agriculture**, 2022.

## SUBMITTED PAPERS

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- **Chen Liu**, Peike Li, Hu Zhang, Lincheng Li, Zi Huang, Dadong Wang, Xin Yu. "BAVS: bootstrapping audio-visual segmentation by integrating foundation knowledge". 2023
- Qixing Qun, **Chen Liu**\*, Lincheng Li, Jie Hou, Haoran Xin, Xin Yu. "Diverse 3D hand gesture prediction from body dynamics by bilateral hand disentanglement". 2023.
- Zhipeng Hu, Yongqiang Zhang, **Chen Liu**, Lincheng Li, Sida Peng, Xiaowei Zhou, Changjie Fan, Xin Yu. "CPT-VR: Improving Surface Rendering via Closest Point Transform with View-Reflection Appearance". 2024.

## COMPETITIONS

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- We got the **first place** in 6th ABAW Competition (2024), **CVRP**, [AU Detection Track], [EXPR Recognition Track], [VA Estimation Track], [CE Recognition Track], [EIM Estimation Track]
- We got the **second place** in ChaLearn Sign Spotting Challenge Challenge (2022), **ECCV**, [MSSL Track]

## INTERNSHIP

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–NetEase. Graphic Image Group

*Research Topic: 3D Surface Reconstruction; Expression Transferring.*

*2024.02-Current*

Hangzhou, Zhejiang, China

## TECHNICAL SKILLS AND INTERESTS

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**Programming Languages:** Python, C#, JQuery, Javascript, HTML+CSS