

# JIawei MAO

✉ jmao32@ucsc.edu · ☎ (+86) 193-575-23528 · in github

## 🎓 EDUCATION

**Hangzhou Dianzi University (HDU)**, Hangzhou, China 2021 – 2024

*Master's Degree* in Digital Media Technology. Supervised by Prof. Xuesong Yin.

**Shandong University of Science and Technology**, Jinan, China 2017 – 2021

*Bachelor's Degree* in Finance

## 👤 EXPERIENCE

**VLA Lab, University of California, Santa Cruz.** California, America 2024 – Present

*Research Intern* Mentor: Prof. Yuyin Zhou

Medical image analysis

**Prof. Hao Tang's Research Group, Peking University.** Peking, China 2024 – 2024

*Research Assistant* Mentor: Prof. Hao Tang

Low-level vision

## 📖 PUBLICATIONS

**Jiawei Mao**, Yuhan Wang, Yucheng Tang, Daguang Xu, Kang Wang, Yang Yang, Zongwei Zhou, Yuyin Zhou: MedSegFactory: Text-Guided Generation of Medical Image-Mask Pairs. *ICCV 2025* (Under review).

**Jiawei Mao**, Xiaoke Huang, Yunfei Xie, Yuanqi Chang, Mude Hui, Bingjie Xu, Yuyin Zhou: Story-Adapter: A Training-free Iterative Paradigm for Long Story Visualization. *ICCV 2025* (Under review).

**Jiawei Mao**, Juncheng Wu, Yuyin Zhou, Xuesong Yin, Yuanqi Chang: Restorer: Removing Multi-Degradation with All-Axis Attention and Prompt Guidance. *Arxiv 2024*.

**Jiawei Mao**, Yu Yang, Xuesong Yin, Ling Shao, Hao Tang: AllRestorer: All-in-One Transformer for Image Restoration under Composite Degradations. *ICCV 2025* (Under review).

**Jiawei Mao**, Guangyi Zhao, Xuesong Yin, Yuanqi Chang: SwinStyleformer is a Favorable Choice for Image Inversion. *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) 2024*.

**Jiawei Mao**, Rui Xu, Xuesong Yin, Yuanqi Chang, Binling Nie, Aibin Huang, Yigang Wang: POSTER++: A simpler and stronger facial expression recognition network. *Pattern Recognition (PR) 2025*.

**Jiawei Mao**, Yuanqi Chang, Xuesong Yin, Binling Nie, Yigang Wang: Optimized Connections and Feature Interactions for More Efficient Single-Image Desnowing. *Applied Soft Computing 2025*.

**Jiawei Mao**, Shujian Guo, Xuesong Yin, Yuanqi Chang, Binling Nie, Yigang Wang: Medical supervised masked autoencoder: Crafting a better masking strategy and efficient fine-tuning schedule for medical image classification. *Applied Soft Computing 2025*.

**Jiawei Mao**, Honggu Zhou, Xuesong Yin, Yuanqi Chang, Binling Nie, Rui Xu: Masked autoencoders are effective solutions to transformer data-hungry. *Arxiv 2022*.

**Jiawei Mao**, Yuanqi Chang, Xuesong Yin: Window Token Transformer: Can learnable window token help window-based transformer build better long-range interactions? *Neurocomputing 2023*.

**Jiawei Mao**, Xuesong Yin, Guodao Zhang, Bowen Chen, Yuanqi Chang, Weibin Chen, Jieyue Yu, Yigang Wang: Pseudo-labeling generative adversarial networks for medical image classification. *Computers in Biology and Medicine (CBIM) 2022*.

## ⚙️ SKILLS

- Mastering programming languages such as C++ and Python, with a solid programming foundation.
- Mastering deep learning frameworks such as PyTorch, Tensorflow 2.0, etc.
- Strong self-motivation and the ability to produce academic papers independently.

- Good problem-identification and problem-solving skills and the ability to keep abreast of current technology hotspots.

## ♡ HONORS AND AWARDS

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The Second Prize Scholarship	2021
The First Prize Scholarship	2022
The First Prize Scholarship	2022
The National Scholarship	2023
Outstanding Graduate of Hangzhou Dianzi University	2024
Outstanding Graduate of Zhejiang	2024