# JIEKE WANG

https://jackywang2001.github.io

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## EDUCATION

**University of California Merced**                    *Fall 2023 - Spring 2026*
Master
Department of Electrical Engineering and Computer Science

**University of California San Diego**                    *Fall 2019 - Spring 2023*
Bachelor of Mathematics
Department of Mathematics
*Advisor: Zhuowen Tu*

## PUBLICATIONS

- Weimin Qiu, **Jieke Wang**, Meng Tang. *Self-Cross Diffusion Guidance for Text-to-Image Synthesis of Similar Subjects* (*CVPR2025*).

- Jacob Schnell*, **Jieke Wang***, Lu Qi, Vincent Tao Hu, Meng Tang. *Generative Data Augmentation Improves Scribble-supervised Semantic Segmentation* (*CVPR2024 SyntaGen Workshop*).

- Zheng Ding, **Jieke Wang**, and Zhuowen Tu. *Open-Vocabulary Panoptic Segmentation with MaskCLIP* (*ICML2023*).

## PROJECTS

- Safe-GRPO for T2I: use DanceGRPO post-training for safe text-to-image; use Q16 as the reward function; comparable results to SOTA SafetyDPO (ICCV2025).

## RESEARCH INTEREST

- VLM agent for "simulation" and long-horizon software usages

- Universal segmentation and understanding in an open world with VLM.

- Utilizing generative models for perception tasks, e.g. representation learning, synthetic data.

## WORK EXPERIENCE

- January 2022 - June 2023: Research assistant at mlPC Lab, UCSD.

- June 2020 - August 2020: Internship at Shengang Securities, Shanghai.

## TEACHING

- Teaching Assistant – CSE022 Introduction to Programming, Fall 2025, UCM

- Teaching Assistant – CSE130 Cryptography, Spring 2025, UCM

- Teaching Assistant – CSE015 Discrete Mathematics, Fall 2024, UCM

- Teaching Assistant – CSE030 Data Structure, Spring 2024, UCM

- Instructional Apprenticeship – COGS185: Advanced Machine Learning, Spring 2023, UCSD.

## ACADEMIC SERVICE

- Reviewer for AAAI 2024, ICML 2024, CVPR 2024, WACV 2025, AAAI 2025, ICLR 2025, WACV 2026, ICLR 2026

## SKILLS

- Fluent in Python (PyTorch); Huggingface's Diffuser and Transformers
- Also familiar with Detectron2, MMCV, JAX, Taichi, Matlab, Mathematica