

JIEKE WANG

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EDUCATION

University of California Merced

Fall 2023 - Present

PhD Student

Department of Electrical Engineering and Computer Science

Advisor: Meng Tang

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* (under review).
- **Jieke Wang**, Jacob Schnell, 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).

RESEARCH INTEREST

- Utilizing generative models for perception tasks, e.g. exploring representations, synthesizing data.
- Universal segmentation in an open world.

WORK EXPERIENCE

- January 2022 - June 2023: Research assistant at mlPC Lab, UCSD.
- June 2020 - August 2020: Internship at Shengang Securities, Shanghai.

TEACHING

- Teaching Assistant – CSE130 Cryptography, Spring 2025
- 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

SKILLS

- Fluent in Python (PyTorch), Mathematica
- Detectron2, Diffuser for Computer Vision
- Also familiar with MMCV, JAX, Taichi, Matlab