# JIEKE WANG

https://jackywang2001.github.io

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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

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

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

## RESEEARCH INTEREST

- Computer Vision (CV) & Multi-Modal Learning (MM): open-vocabulary localization; vision-language models; prompt fine-tuning; video understanding; visual causalities ...

## SELECTED INDEPENDENT PROJECTS

- In-progress: Multi-modal Prompt for Video Question Answering

- **Generative Adversarial Network** for Anime-Style Art

- **Semantic Segmentation** for Anime-Style Art from Domain-Adapted Training Data

- **Visual Question Answering** through Cross-Modal Transformer

- **Person Re-Identification** using Semi-Hard Negative Sampling and Soft-Labeled Triplet Loss

- Material & Emptiness Classification by SURF and Bag of Visual Words

## SKILLS

- Fluent in Python (PyTorch), Mathematica

- Detectron2 and MMCV for Computer Vision Tasks

- Taichi Programming Language for Physics-based Computer Graphics

## WORK EXPERIENCE

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

- June 2020 - August 2020: Internship as Stock-Strategy Engineer in Shengang Securities, Shanghai.

## TEACHING

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