

# JIEKE WANG

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## EDUCATION

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### 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

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

## RESEARCH INTEREST

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

## SELECTED INDEPENDENT PROJECTS

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- 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

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- Fluent in Python (PyTorch), Mathematica
- Detectron2 and MMDetection for Computer Vision Tasks
- Taichi Programming Language for Physics-based Computer Graphics

## WORK EXPERIENCE

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

## TEACHING

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