Qiucheng Wu

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Webpage   Google scholar

Education

University of California, Santa Barbara, CA	2021 - Present

Ph.D. student in Computer Science
Advisor: Prof. Shiyu Chang

University of Michigan, MI	2019 - 2021

M.S. in Computer Science and Engineering

University of Michigan, MI	2017 - 2019

B.S. in Computer Science and Engineering

Shanghai Jiao Tong University, Shanghai, China	2015 - 2019

B.S. in Electrical and Computer Engineering

Work Experience

Adobe	2023.06 - 2023.09

Research Intern
Advisor: Dr. Handong Zhao

Picsart	2022.06 - 2022.09

Research Intern
Advisor: Dr. Humphrey Shi

Fitly	2019.11 - 2020.04

Machine learning Engineer Intern

Selected Publications

‡ indicates authors with equal contributions.

1. **Qiucheng Wu**, Yujian Liu, Handong Zhao, Ajinkya Kale, Trung Bui, Tong Yu, Zhe Lin, Yang Zhang, and Shiyu Chang. "Uncovering the disentanglement capability in text-to-image diffusion models". **CVPR, 2023.**

2. **Qiucheng Wu**‡, Yujian Liu‡, Handong Zhao, Trung Bui, Zhe Lin, Yang Zhang, and Shiyu Chang. "Harnessing the spatial-temporal attention of diffusion models for high-fidelity text-to-image synthesis". **ICCV, 2023.**

3. **Qiucheng Wu**‡, Yifan Jiang‡, Junru Wu‡, Victor Kulikov, Vidit Goel, Nikita Orlov, Humphrey Shi, Zhangyang Wang, and Shiyu Chang. "Broad Spectrum Image Deblurring via An Adaptive Super-Network". **TIP, 2023.**

4. Wantong Li, **Qiucheng Wu**, Janak Sharda, Shiyu Chang, and Shimeng Yu. "Temporal Frame Filtering with Near-Pixel Compute for Autonomous Driving". **AICAS, 2022.**

5. Yimeng Zhang‡, Akshay Karkal Kamath‡, **Qiucheng Wu**‡, Zhiwen Fan‡, Wuyang Chen, Zhangyang Wang, Shiyu Chang, Sijia Liu, and Cong Hao. "Data-Model-Circuit Tri-Design for Ultra-Light Video Intelligence on Edge Devices". **ASP-DAC, 2023.**

Preprints

‡ indicates authors with equal contributions.

1. **Qiucheng Wu**[‡], Yifan Jiang[‡], Junru Wu[‡], Kai Wang, Gong Zhang, Humphrey Shi, Zhangyang Wang, and Shiyu Chang. "Grasping the Arrow of Time from the Singularity: Decoding Micromotion in Low-dimensional Latent Spaces from StyleGAN". **Arxiv.**

Teaching Assistant

- **CS165B:** Machine Learning (Fall 2021, UCSB).

- **EECS492:** Intro to Artificial Intelligence (Fall 2020 and Winter 2021, UMich).

- **Vv156:** Applied Honors Calculus (Fall 2016, UM-SJTU Joint Institute, SJTU).

Major Awards and Honors

2019	Undergraduate Capstone Team Gold Prize (SJTU)
2018	MIDAS Data Science Symposium, Most Interesting Methodological Advances (UMich)
2016	Academic Excellence Scholarship (SJTU)