

Qiucheng Wu

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[Webpage](#) [Google scholar](#)

Education

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|---|----------------|
| University of California, Santa Barbara, CA Ph.D. student in Computer Science Advisor: Prof. Shiyu Chang | 2021 - Present |
| University of Michigan, MI M.S. in Computer Science and Engineering | 2019 - 2021 |
| University of Michigan, MI B.S. in Computer Science and Engineering | 2017 - 2019 |
| Shanghai Jiao Tong University, Shanghai, China B.S. in Electrical and Computer Engineering | 2015 - 2019 |

Work Experience

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| Adobe Research Intern Advisor: Dr. Handong Zhao | 2023.06 - 2023.09 |
| Picsart Research Intern Advisor: Dr. Humphrey Shi | 2022.06 - 2022.09 |
| Fitly Machine learning Engineer Intern | 2019.11 - 2020.04 |

Selected Publications

‡ indicates authors with equal contributions.

1. **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.**
2. **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.**
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. 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.**
5. Wantong Li, **Qiucheng Wu**, Janak Sharda, Shiyu Chang, and Shimeng Yu. “Temporal Frame Filtering with Near-Pixel Compute for Autonomous Driving”. **AICAS, 2022.**

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

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