

Feng (Jeff) Liang
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EDUCATION

- **The University of Texas at Austin** Austin, USA
Ph.D. in Electrical and Computer Engineering, advised by Prof. Diana Marculescu Aug. 2021 – present
- **Tsinghua University** Beijing, China
M.Eng in Department of Microelectronics and Nanoelectronics Sept. 2016 – Jun. 2019
- **Huazhong University of Science and Technology** Wuhan, China
B.Eng of Electronic Science and Technology Sept. 2012 – Jun. 2016

RESEARCH INTERESTS

- Vision-Language Models and Generative AI
- Machine learning, multi-modal learning as well as their applications

INDUSTRIAL EXPERIENCE

- **Meta Generative AI** Menlo Park, United States
Research Scientist Intern; Work with Dr.Bichen Wu May 2023 – Aug. 2023
- **Meta Reality Lab** Burlingame, United States
Research Scientist Intern; Work with Dr.Bichen Wu May 2022 – Aug. 2022
- **SenseTime** Beijing, China
Research Intern, Full-time researcher; Work with Prof.Wanli Ouyang Jun. 2018 – Aug. 2021

SELECTED PUBLICATIONS

- “FlowVid: Taming Imperfect Optical Flows for Consistent Video-to-Video Generation” **Feng Liang**, Bichen Wu, Jialiang Wang, Licheng Yu, Kunpeng Li, Yinan Zhao, Ishan Misra, Jia-Bin Huang, Peizhao Zhang, Peter Vajda, Diana Marculescu. **CVPR 2024**.
- “Open-Vocabulary Semantic Segmentation with Mask-adapted CLIP” **Feng Liang**, Bichen Wu, Xiaoliang Dai, Kunpeng Li, Yinan Zhao, Hang Zhang, Peizhao Zhang, Peter Vajda, Diana Marculescu. **CVPR 2023**.
- “SupMAE: Supervised Masked Autoencoders Are Efficient Vision Learners” **Feng Liang**, Yangguang Li, Diana Marculescu. **AAAI-EIW2024, Best Poster Award**.
- “ANT: Adapt Network Across Time for Efficient Video Processing” **Feng Liang**, Ting-Wu Chin, Yang Zhou, Diana Marculescu. **CVPRW-ECV2022**.
- “Supervision Exists Everywhere: A Data Efficient Contrastive Language-Image Pre-training Paradigm” Yangguang Li*, **Feng Liang***, Lichen Zhao*, Yufeng Cui, Wanli Ouyang, Jing Shao, Fengwei Yu, Junjie Yan. **ICLR2022**.
- “CLIP4VideoCap: Rethinking Clip for Video Captioning with Multiscale Temporal Fusion and Commonsense Knowledge” Tanvir Mahmud, **Feng Liang**, Yaling Qing, Diana Marculescu. **ICASSP 2023**.
- “Play It Cool: Dynamic Shifting Prevents Thermal Throttling” Yang Zhou, **Feng Liang**, Ting-wu Chin, Diana Marculescu. **ICMLW-DyNN2022**.

*indicates equal contributions.

See full publications on Google scholar

AI COMPETITIONS

- **National College Students AI Competition – Championship in Big Data Tech.** Guangdong, China
Tsinghua University, Team Leader Jan. 2018 – Apr. 2018
- **Junction 2018 - Challenge Winner in Intelligent Infrastructure Track** Helsinki, Finland
Tsinghua University, Vision Developer Nov. 2018

SELECTED HONORS & AWARDS

- **UT Austin Engineering Fellowship** UT Austin; 2021 & 2023
- **Excellent Student Leader** Tsinghua University; 2018
- **National Scholarship** Ministry of Education; 2014 & 2015

ADDITIONAL INFORMATION

- **English Proficiency:** TOEFL iBT: 110 (R30 L30 S23 W27)
- **Programming Skills:** Python(proficient), C++(familiar), C(basic)
- **Deep Learning Framework:** Pytorch(proficient), TensorFlow(familiar), Caffe(basic)
- **Leadership Activities:** President of Graduate Union of Department of Microelectronics and Nanoelectronics(2017-2018)