Feng (Jeff) Liang

Homepage   Google Scholar   LinkedIn   Github: Jeff-LiangF   Email: jeffliang@utexas.edu

EDUCATION

- **The University of Texas at Austin**   Austin, United States
  Ph.D. of ECE, advised by Prof. Diana Marculescu   *Aug. 2021 – Feb. 2025*
- **Tsinghua University**   Beijing, China
  M.Eng of EE   *Sept. 2016 – Jun. 2019*
- **Huazhong University of Science and Technology**   Wuhan, China
  B.Eng of EE   *Sept. 2012 – Jun. 2016*

RESEARCH INTERESTS

- Generative AI: Personalized video generation, efficient video-to-video synthesis.

- Vision-Language Models: Open-world perception models, multimodal LLMs.

INDUSTRIAL EXPERIENCE

- **Meta Generative AI (Llama Applied)**   Menlo Park, United States
  Research Scientist Intern; Work with Dr.Peizhao Zhang   *May 2024 – Nov. 2024*
  - Published a paper in CVPR'25 on multi-concept video personalization (Movie Weaver), extending Meta's MovieGen video generation model to multi-concept personalization!
- **Meta Generative AI (Media Foundation)**   Menlo Park, United States
  Research Scientist Intern; Work with Dr.Bichen Wu   *May 2023 – Dec. 2023*
  - Published two papers in CVPR'24 on efficient video-to-video synthesis (FlowVid and Fairy), achieving state-of-the-art results with significantly faster processing speeds.
  - Published follow-up work StreamV2V in ICLR'25, enabling real-time video-to-video for stream input.
- **Meta Reality Labs (Mobile Vision)**   Burlingame, United States
  Research Scientist Intern; Work with Dr.Bichen Wu   *May 2022 – Dec. 2022*
  - Published a paper in CVPR'23 on Open-Vocabulary Segmentation (OVSeg), which ranked in the top 2% most influential papers among 2,359 accepted papers.
- **SenseTime Research**   Beijing, China
  AI Researcher; Work with Prof.Wanli Ouyang   *Jun. 2019 – Aug. 2021*
  - Published a paper in ICLR'22 on Data-Efficient CLIP (DeCLIP), which ranked in the top 3% most influential papers among 945 accepted papers.

SELECTED PUBLICATIONS

Authored **20+** top-tier publications with **1,500+** citations. See full publications on Google Scholar.

- "Movie Weaver: Tuning-Free Multi-Concept Video Personalization with Anchored Prompts" **Feng Liang**, Haoyu Ma, Zecheng He, Tingbo Hou, Ji Hou, Kunpeng Li, Xiaoliang Dai, Felix Juefei-Xu, Samaneh Azadi, Animesh Sinha, Peizhao Zhang, Peter Vajda, Diana Marculescu. **CVPR'25. Multi-concept personalization for MovieGen.**

- "Looking Backward: Streaming Video-to-Video Translation with Feature Banks" **Feng Liang**, Akio Kodaira, Chenfeng Xu, Masayoshi Tomizuka, Kurt Keutzer, Diana Marculescu. **ICLR'25. >450 GitHub stars**

- "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'24, Highlight (Top 10% accepted papers).**

- "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'23, Top 2% most influential papers.**

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

- **MLCommons ML and Systems Rising Stars** MLCommons; 2024
- **Qualcomm Innovation Fellowship Finalist** Qualcomm; 2024
- **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**: President of Graduate Union of the Department of Microelectronics and Nanoelectronics at Tsinghua University(2017-2018)