

# Feng (Jeff) Liang

Homepage

Google Scholar

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## EDUCATION

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- **The University of Texas at Austin** Austin, United States  
*Ph.D. of ECE, advised by Prof. Diana Marculescu* Aug. 2021 – Mar. 2025 (*exp.*)
- **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

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- Generative AI: Personalized video generation, efficient video-to-video synthesis.
- Vision-Language Models: Open-world perception models, multimodal LLMs.

## INDUSTRIAL EXPERIENCE

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- **Meta Generative AI (Llama Applied)** Menlo Park, United States  
*Research Scientist Intern; Work with Dr. Peizhao Zhang* May 2024 – Present
  - Contributing to the personalized video generation with Meta’s MovieGen video generation model.
- **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.
  - Conducted follow-up work on StreamV2V, enabling real-time video-to-video synthesis 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

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Authored **20** top-tier publications with over **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. **Multi-concept personalization for MovieGen. Manuscript.**
- “Looking Backward: Streaming Video-to-Video Translation with Feature Banks” **Feng Liang**, Akio Kodaira, Chenfeng Xu, Masayoshi Tomizuka, Kurt Keutzer, Diana Marculescu. **Manuscript. >450 GitHub stars**
- “FlowVid: Taming Imperfect Optical Flows for Consistent Video-to-Video Generation” **Feng Liang**, Bichen Wu, Jialiang Wang, Licheng Yu, Kunpeng Li, Yanan 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, Yanan Zhao, Hang Zhang, Peizhao Zhang, Peter Vajda, Diana Marculescu. **CVPR’23, Top 2% most influential papers.**

## AI COMPETITIONS

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- **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

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- **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

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- **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)