

## EDUCATION

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- **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

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

## INDUSTRIAL EXPERIENCE

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- **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

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- **Feng Liang**, Bichen Wu, Xiaoliang Dai, Kunpeng Li, Yinan Zhao, Hang Zhang, Peizhao Zhang, Peter Vajda, Diana Marculescu “Open-Vocabulary Semantic Segmentation with Mask-adapted CLIP” **CVPR 2023**.
- **Feng Liang**, Yangguang Li, Diana Marculescu “SupMAE: Supervised Masked Autoencoders Are Efficient Vision Learners” **Manuscript**.
- **Feng Liang**, Ting-Wu Chin, Yang Zhou, Diana Marculescu “ANT: Adapt Network Across Time for Efficient Video Processing” **CVPRW-ECV2022**.
- Tanvir Mahmud, **Feng Liang**, Yaling Qing, Diana Marculescu “CLIP4VideoCap: Rethinking Clip for Video Captioning with Multiscale Temporal Fusion and Commonsense Knowledge” **ICASSP 2023**.
- Yang Zhou, **Feng Liang**, Ting-wu Chin, Diana Marculescu “Play It Cool: Dynamic Shifting Prevents Thermal Throttling” **ICMLW-DyNN2022**.
- Yangguang Li\*, **Feng Liang\***, Lichen Zhao\*, Yufeng Cui, Wanli Ouyang, Jing Shao, Fengwei Yu, Junjie Yan “Supervision Exists Everywhere: A Data Efficient Contrastive Language-Image Pre-training Paradigm” **ICLR2022**.
- Hsin-Pai Cheng\*, **Feng Liang\***, Meng Li, Bowen Cheng, Vikas Chandra, Feng Yan, Hai Li, Yiran Chen “ScaleNAS: One-Shot Learning of Scale-Aware Representations for Visual Recognition” **AutoML-Conf 2022**.
- **Feng Liang**, Chen Lin, Ronghao Guo, Ming Sun, Wei Wu, Junjie Yan, Wanli Ouyang “Computation Reallocation for Object Detection” **ICLR2020**.
- Rundong Li, Yan Wang, **Feng Liang**, Hongwei Qin, Junjie Yan, Rui Fan “Fully Quantized Network for Object Detection” **CVPR2019**.

\*indicates equal contributions.

See full publications on Google scholar

## 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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- **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 Activities:** President of Graduate Union of Department of Microelectronics and Nanoelectronics(2017-2018)