Feng (Jeff) Liang
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Education

- **The University of Texas at Austin** — Austin, USA
  Ph.D. in Electrical and Computer Engineering — *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

- Machine learning, multi-modal learning as well as their applications
- Hardware-software co-design for efficient deep learning

Research Experience

- **The University of Texas at Austin** — Austin, United States
  Research Assistant; Advisor: Prof. Diana Marculescu — *Aug. 2021 – present*
- **SenseTime** — Beijing, China
  Researcher; Advisor: Prof. Wanli Ouyang — *Jun. 2019 – Aug. 2021*
- **Duke University** — Durham, United States
  Remote Intern; Advisor: Prof. Yiran Chen — *Jun. 2020 – Nov. 2020*
- **Tsinghua University** — Beijing, China
  Research Assistant; Advisor: Prof. Chun Zhang and Prof. Zhihua Wang — *Feb. 2017 – Jun. 2019*

*indicates equal contributions.

Publications

- **Feng Liang**, Chen Lin, Ronghao Guo, Ming Sun, Wei Wu, Junjie Yan, Wanli Ouyang, "Computation Reallocation for Object Detection," **Accepted in ICLR2020.**
- Mingzhu Shen*, **Feng Liang***, Ruihao Gong, Yuhang Li, Chuming Li, Chen Lin, Fengwei Yu, Junjie Yan, Wanli Ouyang, "Towards High Performance Extremely Low-bit Neural Networks" **Accepted in ICCV2021.**
- Jie Liu, Chuming Li, **Feng Liang**, Chen Lin, Ming Sun, Junjie Yan, Wanli Ouyang, Dong Xu, "Inception Convolution with Efficient Dilation Search," **Accepted in CVPR2021.**
- Rundong Li, Yan Wang, **Feng Liang**, Hongwei Qin, Junjie Yan, Rui Fan, "Fully Quantized Network for Object Detection," **Accepted in CVPR2019.**
- Hsin-Pai Cheng, Tunhou Zhang, Yixing Zhang, Shiyu Li, **Feng Liang**, Feng Yan, Meng Li, Vikas Chandra, Hai Li, Yiran Chen, "NASGEM: Neural Architecture Search via Graph Embedding Method" **Accepted in AAAI2021.**

*indicates equal contributions.

Manuscripts

- 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"
- 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"

*indicates equal contributions.

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
- **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)