Feng (Jeff) Liang

https://jeff-liangf.github.io

Email: jeffliang@utexas.edu

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, multimodal learning and their applications

- Hardware-software co-design for efficient deep learning

RESEARCH EXPERIENCE

- **The University of Texas at Austin** — Asutin, United States
  Research Assistant; Advisor: Prof. Diana Marculescu — *Aug. 2021 – present*

- **SenseTime** — Beijing, China
  Research Intern / Researcher; Advisor: Prof. Wanli Ouyang — *Jun. 2018 – Aug. 2021*

- **Duke University** — Durham, USA
  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*

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.**

- 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" **Manuscript.** *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)