

Fu-En Wang

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EDUCATION

National Tsing Hua University

PhD of Electrical Engineering

Hsinchu, Taiwan

2019 - present

National Tsing Hua University

Master of Electrical Engineering (GPA: 3.88)

Hsinchu, Taiwan

2017 - 2019

National Tsing Hua University

Bachelor of Electrical Engineering (GPA: 3.39)

Hsinchu, Taiwan

2013 - 2017

KEY SKILLS

- Programming Languages: C/C++, Python, MATLAB.
- Profession: Deep Learning, Computer Vision, 3D reconstruction.

PUBLICATIONS

- **F. Wang**, Y. Yeh, Y. Tsai, W. Chiu, and M. Sun.
BiFuse++: Self-supervised and Efficient Bi-projection Fusion for 360° Depth Estimation
(TPAMI 2022)
- **F. Wang**, Y. Yeh, M. Sun, W. Chiu, and Y. Tsai.
LED2-Net: Monocular 360° Layout Estimation via Differentiable Depth Rendering
(CVPR 2021 Oral)
- **F. Wang**, Y. Yeh, M. Sun, W. Chiu, and Y. Tsai.
BiFuse: Monocular 360° Depth Estimation via Bi-Projection Fusion
(CVPR 2020)
- **F. Wang**, H. Hu, H. Cheng, J. Lin, S. Yang, M. Shih, H. Chu, and M. Sun.
Self-Supervised Learning of Depth and Camera Motion from 360° Videos
(ACCV 2018 Oral)
- H. Yang, **F. Wang**, C. Sun, K. Huang, H. Chen, Y. Chen, H. Chen, C. Liao, S. Kao, Y. Wang, and C. Lan
Leveraging Auxiliary Information from EMR for Weakly Supervised Pulmonary Nodule Detection
(MICCAI 2021)
- G. Wu, L. Liu, Y. Tseng, Y. Kao, and **F. Wang**
DillyDally: Overcome Your Procrastination via Social Network
(UbiComp 2021 Demo)
- S. Yang, **F. Wang**, C. Peng, P. Wonka, M. Sun, and H. Chu.
DuLa-Net: A Dual-Projection Network for Estimating Room Layouts from a Single RGB Panorama
(CVPR 2019)

- T.-H. Wang, **F.-E. Wang**, J.-T. Lin, Y.-H. Tsai, W.-C. Chiu, and M. Sun.
Plug-and-Play: Improve Depth Estimation via Sparse Data Propagation
(ICRA 2019)
- K. Chen, **F. Wang**, J. Lin, F. Chan, and M. Sun
The World Is Changing: Finding Changes on the Street
(ACCV 2016 workshop)
- S. Chang, J. Chien, **F. Wang**, S. Yang, H. Chen and M. Sun
Extracting Driving Behavior: Global Metric Localization from Dashcam Videos in the Wild
(ECCV 2016 workshop)

ACADEMIC CONTRIBUTION

- IJCAI 2020 senior program committee.
- SIGGRAPH Asia 2021 reviewer.
- AAAI 2019, 2020 reviewer.
- ICRA 2020 reviewer.
- WACV 2019 reviewer.
- R-AL reviewer.
- ISPRS reviewer.

EXPERIENCE

Microsoft

Research Intern (AI&RD)

- Computer vision research intern.

Taipei, Taiwan

November 2021 - June 2022

ASUS

PhD Program (AICS)

- Student researchers.

Taipei, Taiwan

September 2019 - April 2021

MEDIATEK

Internship (High-performance Processor Technology)

- Design Verification (DV) for CPU.

Hsinchu, Taiwan

July 2016 - July 2017

ACHIEVEMENTS

- Oral presentation in CVPR 2021.
- Ubicomp 2021 demo acceptance.
- Oral presentation in ACCV 2018.
- Pitch in AII workshop.
- Technical demo in AIslanders' Show.
- Technical demo in Future Tech.