ANG CAO

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2260 Hayward St, Ann Arbor, MI 48109

RESEARCH INTERESTS

I am broadly interested in 3D vision. My current work is mainly about learning 3D models from 2D images using differentiable rendering and novel view synthesis for dynamic/static scenes.

EDUCATION

University of Michigan, Ann Arbor	*2020-present*
Ph.D., Computer Science and Engineering	GPA 4.0/4.0
Advisor: Prof. Justin Johnson	
University of Michigan, Ann Arbor	*2018-2020*
Master of Science, Electrical and Computer Engineering	GPA 4.0/4.0
Signal & Image Processing and Machine Learning track (SIPML)	
Wuhan University	*2014-2018*
Bachelor of Science in Electrical Engineering	GPA 3.9/4.0

PUBLICATIONS

4. **"HexPlane: A Fast Representation for Dynamic Scenes"**
Ang Cao, Justin Johnson
In Submission of CVPR 2023

3. **"FWD: Real-time Novel View Synthesis with Forward Warping and Depth"**
Ang Cao, Chris Rockwell, Justin Johnson
Computer Vision and Pattern Recognition Conference (CVPR) 2022

2. **"Inverting and Understanding Object Detector"**
Ang Cao, Justin Johnson
Tech Report 2021

1. **"Unified Signal Compression Using Generative Adversarial Networks"**
Bowen Liu*, **Ang Cao***, Hun-Seok Kim
45th International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2020, **oral**.

AWARDS AND RECOGNITIONS

Rollin M. Gerstacker Foundation Fellowships, University of Michigan	2020
China National Scholarship, award for top 2% Chinese undergraduate	2016, 2017
Outstanding Graduate of Wuhan University	2018
Meritorious Winner of American Mathematical Contest in Modeling	2017
National Undergraduate Innovation Foundation by Chinese Ministry of Education	2016

ACTIVITIES

AI4ALL, University of Michigan	2021

Summer program aimed at providing an entry point to artificial intelligence, computer science and engineering to high school students from under-represented backgrounds.

REVIEWER

CVPR 2023, ICLR 2023, CVPR 2022, ICCV 2022.