ANG CAO

734 277 2600 ⋄ ancao dot umich.edu

2260 Hayward St, Ann Arbor, MI 48109

RESEARCH INTERESTS

Fields: Computer Vision, Machine Learning

Topics: 3D Vision, Generative Model, Point Cloud Processing, Inverse Problem, Visualization

EDUCATION

University of Michigan, Ann Arbor *2020-present*

Ph.D., Computer Science and Engineering

Advisor: Prof. Justin Johnson

University of Michigan, Ann Arbor *2018-2020*

Master of Science, Electrical and Computer Engineering GPA 4.0/4.0

Wuhan University *2014-2018*

Bachelor of Science in Electrical Engineering GPA 3.9/4.0

RESEARCH EXPERIENCE

Graduate Student Researcher 2020-Present

Advisor: Justin Johnson *CSE, University of Michigan, Ann Arbor*

· Visualization and understanding object detector.

· 3D aware image generation.

Graduate Students Research Assitantships (GSRA) 2018-2020

Aadvisor: Hun-Seok Kim *ECE, University of Michigan, Ann Arbor*

· GAN inversion problem via optimization method and its applications in signal compression.

· Deep neural networks for signal processing and its model compression.

SUBMISSIONS

"Visualizing and Understanding Object Detector"

Ang Cao, Justin Johnson, 2020

PUBLICATIONS

"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

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

Student Chair: Excellent Engineering Program of class 2014, Electronical Information School

Student Mentor: Mentored 14 first year undergraduate students. 2016