

## Education

- 2023–2025 **Cornell University**,  
*Master of Science in Computer Science, Advisor: Prof. Bharath Hariharan.*
- 2020–2023 **Cornell University**,  
*Bachelor of Engineering in Biological Engineering, Minor in Computer Science, GPA 3.93/4.3.*
- 2018–2020 **Zhejiang University**,  
*Bachelor of Engineering in Agriculture Engineering (Joint Program), GPA 3.7/4.0.*

## Publications

- 2024 **AllClear: A Comprehensive Dataset and Benchmark for Cloud Removal in Satellite Imagery**,  
**Hangyu Zhou\***, Chia-Hsiang Kao\*, Cheng Perng Phoo, Utkarsh Mall, Bharath Hariharan, Kavita Bala,  
*NeurIPS 2024 Datasets and Benchmarks Track.*

### Preprints

- 2024  **$S_2$ : Layer Shuffling and Superposition for Better Multi-Model Compression**,  
**Hangyu Zhou**, Aaron Gokaslan, Volodymyr Kuleshov, Bharath Hariharan,  
*In Submission.*
- 2023 **RauICap: Contextual Captioning with Retrieval Augmentation and User Interaction**,  
**Hangyu Zhou**, Bharath Hariharan.

## Experience

- Jun 2022–  
Present **Research Assistant**, *Cornell University.*
- Under mentorship of Professor Bharath Hariharan.
  - Collaboration with Professor Kavita Bala and Professor Volodymyr Kuleshov.
  - Working on vision and machine learning, with recent focus on remote sensing and modular models.
- Aug–Dec  
2022 **Research Assistant**, *Cornell University.*
- Under mentorship of Professor Yu Jiang.
  - Used RGB-D videos to measure the internode length of tomato plants.
- 2018–2019 **Project Team Lead**, *Zhejiang University.*
- Led a project team under the National Excellence in Agricultural and Forestry Talent Training Program.
  - Developed a windproof solid fertilizer sprayer for unmanned airboats.
  - Filed a patent for this invention (ZJ 2019 1 0859227.4).

## Teaching Experience

- Jan 2023–  
Present **Teaching Assistant**, *Cornell University.*
- SoNIC Summer Research Workshop (Summer 2024).
  - CS 4701 Practicum in Artificial Intelligence (Fall 2024).
  - CS4789/5789 Introduction to Reinforcement Learning (Spring 2024).
  - CS4780/5780 Introduction to Machine Learning (Fall 2023).
  - CS4670/5670 Introduction to Computer Vision (Spring 2023).

## Honors & Awards

- 2022 **Bowers Undergraduate Research Experience (BURE)**, *Cornell University.*
- 2022 **Tau Beta Pi Engineering Honor Society**, *New York Delta Chapter.*
- 2019 **The Third Prize Scholarship**, *Zhejiang University.*