

Hangyu Zhou

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EDUCATION

Cornell University

Aug 2020 – May 2025

M.S. in Computer Science

Ithaca, NY

B.S. in Biological Engineering, Minor in Computer Science

- Advisor: Prof. Bharath Hariharan
- GPA: 3.93/4.00 | Tau Beta Pi Membership

Zhejiang University

Sep 2018 – Jun 2020

B.E. in Agriculture Engineering

Hangzhou, China

- GPA: 3.70/4.00 | The Third Prize Scholarship

PUBLICATIONS

Hangyu Zhou, Aaron Gokaslan, Volodymyr Kuleshov, Bharath Hariharan, Interfering with Interference: Blind Shuffling and Superposition for Better Multi-Model Compression. Preprint.

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

NeurIPS 2024 Datasets and Benchmarks Track.

Hangyu Zhou, Bharath Hariharan, RauICap: Contextual Captioning with Retrieval Augmentation and User Interaction. Preprint.

EXPERIENCES

Graphics & Vision Group @ Cornell

Jun 2022 – Present

Research Assistant

Ithaca, NY

- Supervised by Prof. Bharath Hariharan.
- Project 1: Improving the efficiency of a self-supervised pipeline for large-scale satellite imagery change detection.
- Project 2: Generating contextual image captions with retrieval augmented generation and user interaction.
- Project 3: Satellite imagery cloud removal.
- Project 4: Reduce interference when compressing multiple models together.

Cornell University

Jan 2023 – Present

Teaching Assistant

Ithaca, NY

- 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)

CAIR Lab @ Cornell

Aug 2022 – Dec 2022

Research Assistant

Ithaca, NY

- Supervised by Prof. Yu Jiang to build vision tools for agriculture.
- Project: Tomato internode length estimation with object detection and reconstruction on RGB-D streams.

Zhejiang University

Oct 2018 – May 2021

Project Team Leader

Hangzhou, China

- Led a project team under the National Excellence in Agricultural and Forestry Talent Training Program.
- Project: Automatic windproof solid fertilizer sprayer prototype development for automated agricultural airboats.
- Patent Number: ZJ 2019 1 0859227.4