

Yancheng Zhang

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EDUCATION

University of Central Florida

Ph.D. in Computer Science

Advised by: Prof. Chen Chen

Orlando, FL

Aug. 2023 – Present

University of Central Florida

M.S. in Computer Science

Orlando, FL

Aug. 2023 – May 2025

Sichuan University

B.E. in Computer Science and Technology

Chengdu, China

Sept. 2019 – July 2023

Graduated from Wu Yuzhang Honors College, rank: 1/163, GPA: **3.96**/4.0

RESEARCH INTERESTS

3D Computer Vision, Generative AI, Privacy-preserving Machine Learning

PUBLICATION

E3D-Bench: A Benchmark for End-to-End 3D Geometric Foundation Models (preprint)

Wenyan Cong, Yiqing Liang, Yancheng Zhang, Ziyi Yang, Yan Wang, Boris Ivanovic, Marco Pavone, Chen Chen, Zhangyang Wang, Zhiwen Fan

EGGS: Exchangeable 2D/3D Gaussian Splatting for Geometry-Appearance Balanced Novel View Synthesis

(NeurIPS 2025 Spotlight, Top 3%)

Yancheng Zhang, Guangyu Sun, Chen Chen

zkVC: Fast Zero-Knowledge Proof for Private and Verifiable Computing (DAC 2025)

Yancheng Zhang, Mengxin Zheng, Xun Chen, Jingtong Hu, Weidong Shi, Lei Ju, Yan Solihin and Qian Lou

CipherPrune: Efficient and Scalable Private Transformer Inference (ICLR 2025)

Yancheng Zhang, Jiaqi Xue, Mengxin Zheng, Mimi Xie, Mingzhe Zhang, Lei Jiang, Qian Lou

DataSeal: Ensuring the Verifiability of Private Computation on Encrypted Data (IEEE S&P 2025)

Muhammad Husni Santriaji, Jiaqi Xue, Yancheng Zhang, Qian Lou, Yan Solihin

HEBridge: Connecting Arithmetic and Logic Operations in FV-style HE Schemes (CCS WAHC 2024)

Yancheng Zhang, Xun Chen, Qian Lou

CryptoTrain: Fast Secure Training on Encrypted Dataset (CCS LAMPS 2024)

Jiaqi Xue, Yancheng Zhang, Yanshan Wang, Xueqiang Wang, Hao Zheng and Qian Lou

HEPrune: Fast Private Training of Deep Neural Networks With Encrypted Data Pruning (NeurIPS 2024)

Yancheng Zhang, Mengxin Zheng, Yuzhang Shang, Xun Chen, Qian Lou

CR-UTP: Certified Robustness against Universal Text Perturbations on Large Language Models (ACL 2024)

Qian Lou, Xin Liang, Jiaqi Xue, Yancheng Zhang, Rui Xie, Mengxin Zheng

Pure Graph-guided Multi-view Subspace Clustering (Pattern Recognition 2023)

Hongjie Wu, Shudong Huang, Chenwei Tang, Yancheng Zhang, Jiancheng Lv

EXPERIENCE

ByteDance

San Jose, CA

Research Intern, supervised by Dr. Xiaojie Li

Sept. 2025 – Present

- Worked on 3D data synthesis and multi-modal foundation models.

Samsung Research America

Mountain View, CA

Research Intern, supervised by Dr. Xun Chen

May 2024 – Aug. 2024

- Mainly worked on universal computation in the FHE.

Center for Research in Computer Vision (CRCV), UCF

Orlando, FL

Graduate Research Assistant, advised by Prof. Chen Chen

Sept. 2024 – Present

- Worked on computer vision, focusing on 3D vision and video understanding.

Cyber Security and Privacy Cluster, UCF

Orlando, FL

Graduate Research Assistant, advised by Prof. Qian Lou

Aug. 2023 – Apr. 2024

- Mainly worked on verifiable and privacy-preserving machine learning.

DICALab, Sichuan University

Chengdu, China

Undergraduate Research Assistant, advised by Prof. Jiancheng Lv

Jan. 2020 – Sept. 2022

- Mainly worked on computer vision and its application on medical images.

HONORS AND AWARDS

ORCGS Doctoral Fellowship | *University of Central Florida*

2023

National Scholarship (top 1%) | *Sichuan University*

2021

The Chinese Mathematics Competitions, Second Prize | *Sichuan University*

2020

PROJECTS

WRIVA | *Pytorch, CUDA*

2025

- I worked as a part of the Walk-through Rendering from Images of Varying Altitude (WRIVA) project from Intelligence Advanced Research Projects Activity (IARPA), with a focus on the 3D reconstruction part.

Deep Learning Based Cataract Diagnosis System | *Python, JavaScript*

2021

- An end-to-end cataract diagnosis system based on multi-task learning and private cataract dataset.