

# Yancheng Zhang

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Intern Availability. Earliest start date: May 12, 2025. Last day to end: Aug 18, 2025.

## EDUCATION

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**University of Central Florida** Orlando, FL  
*Ph.D. in Computer Science* Aug. 2023 – Present  
Advised by: Prof. **Chen Chen**

**Sichuan University** Chengdu, China  
*B.E. in Computer Science and Technology* Sept. 2019 – July 2023  
Graduated from Wu Yuzhang Honors College, rank: 1/163, GPA: **3.96/4.0**

## RESEARCH INTERESTS

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Computer Vision, Privacy-preserving Machine Learning

## PUBLICATION

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**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

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### **Samsung Research America**

*Research Intern, supervised by Dr. Xun Chen*

- Mainly worked on universal computation in the FHE.

Mountain View, CA

*May 2024 – Aug. 2024*

### **Center for Research in Computer Vision (CRCV), UCF**

*Graduate Research Assistant, advised by Prof. Chen Chen*

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

Orlando, FL

*Oct. 2024 – Present*

### **Cyber Security and Privacy Cluster, UCF**

*Graduate Research Assistant, advised by Prof. Qian Lou*

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

Orlando, FL

*Aug. 2023 – Oct. 2024*

### **DICALab, Sichuan University**

*Undergraduate Research Assistant, advised by Prof. Jiancheng Lv*

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

Chengdu, China

*Jan. 2020 – Sept. 2022*

## HONORS AND AWARDS

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**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

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**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.