Information

Name: Xianyu Zhu
Birth: 2000.11
Major: Computer Science
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Education

University of Science and Technology of China (C9 League, Project 985&211) 2023.9–Now

- **GPA : 90 (3.87/4.3)**
- **Major** : Master of Computer Science and Technology
- **Course** : Foundations of Computer Systems; Design and Analysis of Algorithms; Advanced Computer Architecture; Parallel Programming;
- **Interest**: High Performance Computing, Machine Learning System, Distributed Training
- **Honor** : First-Class Academic Scholarship

Northwest A&F University (Project 985&211) 2019.8–2023.6

- **GPA : 90.5 (3.77/4.0) Rank : 2 / 132**
- **Major** : Bachelor of Computer Science and Technology
- **Course** : Data Structure; Operation System; Computer Organization and Architecture; Computer Network; Parallel Computing
- **Interest**: Artificial Intelligence, Computer Vision, Object Detection
- **Honor** : National Scholarship; President Scholarship; Outstanding Graduates; Advanced Individual in Social Practice; Excellent College Student;

Paper

High Performance Computing & Machine Learning System

- The paper "swPredicter: A Data-Driven Performance Model for Distributed Data Parallelism Training on Large-Scale HPC Clusters" is **submitted** to "IEEE Transactions on Parallel and Distributed Systems **(TPDS)**" **First-Author**
- The paper "SWattention: designing fast and memory-efficient attention for a new Sunway Supercomputer" is **published** in "The Journal of Supercomputing **(TJSC)**" **Second-Author**

Artificial Intelligence & Computer Vision

- The paper "LAD-Net: A Novel Light Weight Model for Early Apple Leaf Pests and Diseases Classification" is **published** in "IEEE-ACM Transactions on Computational Biology and Bioinformatics **(TCBB)**" **First-Author**
- The paper "Apple-YOLO: A Novel Mobile Terminal Detector Based on YOLOv5 for Early Apple Leaf Diseases" is **published** in "International Computer Software and Applications Conference **(COMPSAC)**" **Second-Author**

Research Project

- Early Diagnosis of Apple Leaf Pests and Diseases of Artificial Intelligence and Inspection Robots (Provincial Innovative Entrepreneurial Training Plan Program) **Leader**
- Dataflow Programming and Runtime System Framework Adapted to Domestic Heterogeneous System Architectures(Strategic Priority Research Program of Chinese Academy of Sciences) **Member**
- Research on early monitoring and warning of apple leaf diseases and development of inspection equipment based on artificial intelligence (Provincial Key Research Program) **Member**