

闫泽宇



♂ 男 · 📅 2005.10.11 · 🏠 山西省 · 🧑 共青团员
☎ 18634788360 · ✉ onefishy@163.com · 🌐 onef1shy

教育背景

西安电子科技大学 / 计算机科学与技术（拔尖班） / 本科 2022.09 – 至今

- 绩点：3.9/4.0，加权平均分：92.3/100
- 班级排名：2/22，系排名：6/471
- 核心课程：计算机科学使用的数学逻辑（100分）、计算机组成（99分）、C语言程序设计（99分）、概率论与数理统计（97分）、计算复杂性理论（96分）、计算机网络（95分）、Java程序设计（95分）

科研经历

基于遥感图像的产量预估 / 项目负责人 2024.09 – 2025.04

- 发现现有方法难以处理多分辨率农业遥感图像的尺度差异问题，导致产量预测精度下降
- 设计并实现 CNN 与 ViT 动态融合模型架构，开发适应不同空间分辨率的残差算子库，构建端到端产量预估框架
- 在多个数据集上取得优于现有方法的性能；论文正在 CCF-A 类会议审稿中（第一学生作者）

ISN 国家重点实验室本科生培养计划 / 项目成员 2024.06 – 至今

- 发现现有纵向联邦学习系统易受标签推理攻击问题，针对隐私泄露风险研究防御机制
- 设计综合防御体系，融合虚假梯度、标签匿名与异常检测三种方法，有效抵御多种标签推理攻击
- 防御方案在四个领域的六个数据集上验证有效性，相关成果在全国大学生密码技术竞赛、全国大学生软件系统安全赛等赛事中取得优异成绩

获奖情况

国家奖学金	国家级	获奖	2024.10
美国大学生数学建模竞赛 (MCM)	国际级	荣誉奖	2024.05
国家级大学生创新创业训练计划	国家级	结项	2024.06
全国大学生软件系统安全赛	区域级	西北赛区二等奖	2025.03
全国大学生数学建模竞赛	省级	一等奖	2023.11
中国国际大学生创新大赛	省级	银奖	2024.07
全国大学生统计建模竞赛	省级	三等奖	2024.06
优秀共青团员	校级	荣誉称号	2024.07

专业技能

研究方向：计算机视觉、数据挖掘、深度学习

英语水平：CET-6 489

编程语言：Python、C/C++、Java、MATLAB

个人博客：<https://onefishy.github.io/>

自我评价

通过系统的课程学习和科研实践，我对计算机视觉和深度学习领域的理论知识和应用技术有了较为扎实的理解。在科研过程中，注重理论与实践的结合，培养了独立思考和解决问题的能力。对学术研究有浓厚兴趣，愿意投入时间探索前沿技术，希望在经验丰富的导师指导下，进一步提升在计算机视觉和深度学习领域的专业能力。

Zeyu Yan

☎ (+86) 186-3478-8360 · ✉ onefishy@163.com · in github

Biography

I am an undergraduate student at Xidian University with research interests in **Computer Vision**, **Data Mining**, and **Deep Learning**. My focus includes agricultural remote sensing image analysis and predictive modeling. I aspire to further develop my expertise in these fields under experienced academic mentorship.

Education

Xidian University, Xi'an, China

Sept. 2022 – Present

B.S. in Computer Science and Technology (Elite Class)

- GPA: 3.9/4.0, Weighted Average: 92.3/100
- Ranking: 2/22 (Class), 6/471 (Department)
- Core Courses: Mathematical Logic (100), Computer Organization (99), C Programming (99), Probability Theory (97), Computational Complexity (96), Computer Networks (95), Java (95)

Research Experience

Agricultural Yield Estimation with Remote Sensing

Sept. 2024 – Apr. 2025

Project Lead Under Faculty Supervision

- Identified limitations in existing methods for handling multi-resolution agricultural remote sensing imagery, affecting yield prediction accuracy
- Designed dynamic fusion architecture combining CNN and ViT models with residual operator library for different spatial resolutions
- Built end-to-end yield estimation framework achieving state-of-the-art performance; paper under review at **CCF-A conference (first student author)**

ISN Key Laboratory Undergraduate Training Program

Jun. 2024 – Present

Project Member Vertical Federated Learning Security

- Identified vulnerability of vertical federated learning systems to label inference attacks and researched defense mechanisms
- Designed comprehensive defense system integrating fake gradients, label anonymization, and anomaly detection methods
- Validated solutions across six datasets in four domains; achieved excellent results in the **National Collegiate Cryptography Technology Competition** and **National Collegiate Software System Security Competition**

Honors and Awards

- National Scholarship; Outstanding League Member
- Honorable Mention, Mathematical Contest in Modeling (MCM)
- National-level Project, National College Student Innovation and Entrepreneurship Training Program
- Second Prize (Northwest Region), National Collegiate Software System Security Competition
- Provincial First Prize, National College Student Mathematical Modeling Competition
- Provincial Silver Award, China International College Students' Innovation Competition
- Provincial Third Prize, National College Student Statistical Modeling Competition

Miscellaneous

- Blog: <https://onefishy.github.io/>
- Languages: English (CET-6 489/710), Mandarin (Native)
- Programming Languages: Python, C/C++, Java, MATLAB