

Tengjiao Yin

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EDUCATION

Nankai University

B.S. in Computer Science, GPA: 3.66/4.00

Awarded: 2022-2023 Academic Excellence Scholarship

Tianjin, China

09/2022–08/2026

TECHNICAL SKILLS

- Programming Languages: C/C++, Python, C#, Rust, Javascript
- Research Field: Computer Vision, Graphics, Generative AI, Game Development

INTERNSHIP EXPERIENCE

Nankai Computer Vision Lab

Research Intern, Supervisor: [Jinglei Shi, Xi Wang](#)

Tianjin, China

05/2025–Now

- **Renovation in Diffusion Guidance**

- Conduct intensive literature review in 3D vision and diffusion models.
- Implemented 3D geometrically consistent multi-view diffusion via foundation models (like VGGT).

- **Optical Boundary Recognition (cooperate with ENN Group)**

- Improved current SOTA framework of plasma boundary detection via Swin-Transformer.

Lakehead University Broadband Communications Networks Lab

Ontario, Canada

Mitacs GRI Intern, Supervisor: [Yong Deng](#)

08/2025–11/2025

- **Design and Optimization of MapReduce Based Distributed Computing for Machine Learning Jobs**

- Improved the state-of-the-art Coded MapReduce design.
- Implemented Coded MapReduce to improve machine learning applications.

PROJECTS

Real-time Tennis Position Tracking System

Shenzhen, China

Independent Developer [Github](#)

11/2024–07/2025

- **Development and Deployment of a YOLO11-based Tennis Tracking Solution**

- Designed and implemented a pure vision-based system for real-time tennis ball tracking, landing point detection, and score counting, deployed on Orange Pi 5.
- Addressed challenges in depth estimation, motion blur recognition, and varying lighting conditions.
- Successfully deployed and commercialized the system, generating revenue of 10k RMB.

AWARDS

Academic Excellence Scholarship

Tianjin, China

College of Artificial Intelligence, Nankai University

10/2023

China Scholarship Council Scholarship

Beijing, China

China Scholarship Council

01/2025

Global Game Jam 2025 - Best Game Awards

Hong Kong SAR China

GGJ HK

01/2025

NSCSCC - OS Design Contest - OS Functionality Challenge - 3rd Prize

Wuhan, China

NSCSCC Committee

08/2025