

Jingfan Li

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Research Interests: Machine Learning, Multimodal Learning, Large Language Models, AIGC, Computer Vision

Education

Nankai University, Tianjin, China 2022.09 - present
B.S. in Software Engineering, expected 2026
– GPA: 86.95/100
– *Coursework:* Discrete Mathematics (91), Operating Systems (98), Compiler Principles (99), Advanced Programming Practice (96), Parallel and Distributed Programming (96)

Research Projects

Tianjin University Innovation and Entrepreneurship Training Program 2024.04 - 2025.04
Role: Core Member
Title: Flow-Structure Coupling Reinforcement Learning Algorithm Based on Differentiable Fluid-Solid Simulator
Simulated water-bottle motion and collected data. Project rated as excellent.

Research Group Project 2024.09 - Present
Role: Backend Developer and Model Evaluator | advisor: Professor Yuzhi Zhang
Developed backend of a research platform and evaluated new models, focusing on performance analysis and reproducibility.

Awards

National Encouragement Scholarship 2025.09

Competitions and Activities

CCF Computer Graphics Star Program Summer Camp 2023.08
Acquired fundamentals of computer graphics; sparked long-term interest in visual computing.

Mathematical Modeling Competitions

Applied optimization, regression/clustering, and simulation methods to real-world problems.

AIGC and AI-related Coursework Projects 2024.09 - Present
Hands-on work with image/video generation; motivated research interest in controllability and multimodal alignment.

Skills

Languages: Chinese (Native), English (CET-6: 527, IELTS scheduled for October 2025)
Programming & Tools: Python, Java, C++, C, SQL, TensorFlow, PyTorch, scikit-learn, OpenGL, Git, LaTeX
Machine Learning & AI: Transformers, Multimodal Learning, Generative Models (Diffusion, GANs), Reinforcement Learning, Algorithm Design and Optimization, Model Evaluation and Deployment
Research Skills: Deep Learning Frameworks Implementation, Experimental Design, Reproducibility, Data Analysis, Scientific Writing and Communication

Work Experience

Chinasoft International 2024.06 - 2024.08
Role: Intern
Implemented and optimized large language model (LLM) applications with LangChain and agent-based frameworks. Gained hands-on experience in LLM fine-tuning, inference optimization, and real-world deployment scenarios.