

Wangjie Su

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Education

Peking University , Theoretical and Applied Mechanics	Sep 2023 - Present
Peking University , Double Degree, Intelligent Science and Technology	Sep 2024 - Present

- **GPA:** 3.805/4.0
- **Coursework:** Mathematical Analysis, Linear Algebra, Data Structure and Algorithm(Grade: **100**), Computer Vision, Probability and Mathematical Statistics, Programming in AI(Grade: **100**), Numerical Analysis, Introduction to Generative Modeling, Introduction to Intelligent Robots, Machine Learning

Experiences

Prof. Zheng Chen Research Group	Research Internship	May 2025 – Present
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- Currently working on an undergraduate research project subjected on the reconstructions of flow field in the case of high Mach number flows and detonation using ML methods including CNN, PINN and Generative Models.

Projects

AMP-STROTSS Neural Style Transfer	Course Project	Fall 24, Computer Vision
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- We imported additional control methods to allow user-specified point-to-point or region-to-region control over visual similarity between the style image and the output automatically by auto-mask technique, provides higher quality stylization and better content-style balance than prior works.

Tiny PyTorch	Course Project	Fall 24, Programming in AI
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- A comprehensive reimplement of a deep learning framework designed to simulate PyTorch, progressing from low-level CUDA kernels and C++ backend operations to Python APIs and successfully training a model on the MNIST dataset, offering a clear reference for understanding the internal mechanics of modern AI systems.

Honors & Awards

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- Merit Student, Peking University (2025)
 - Undergraduate National Scholarship, Peking University (2025)
 - Beijing Division of the National College Student Mathematical Modeling Competition, Second Prize (2025).
 - Peking University Outstanding Learning Award, Peking University (2024)
 - Peking University 3rd Scholarship, Peking University (2024)
 - Beijing College Student Mathematics Competition, First Prize (2024).

Skills

English: CET-4, CET-6
Programming Language: C/C++, CUDA, CMake, Python, MATLAB, LaTeX
Technologies: Pytorch, Git, Linux, Scikit-learn, Jupyter Notebook, OpenFoam