Wangjie Su

Undergraduate | College of Engineering | Peking University
wsu0605@stu.pku.edu.cn | csxq0605.github.io

Education

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

- **GPA**: 3.818/4.0
- **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, Trustworthy Machine Learning, Physics for Computer Graphics, Large Language Models and Natural Language Generation.

Experiences

Prof. Songfang Huang Research Group Research Internship **March 2026 – Present**

- Researching AI agents for scientific workflows, with an emphasis on memory engineering for long-context storage, retrieval, and recovery.

Prof. Zheng Chen Research Group Undergraduate Research Project **May 2025 – Present**

- Working on an undergraduate research project subjected on the understanding of combustion theory using mathematical or ML methods.

Projects

AI + Fusion Energy Series Project Research Project **Spring 26, PKU COE**

- Contributing to the Peking University College of Engineering Xinao Technology Innovation Center "AI + Fusion Energy" series project under the guidance of Prof. Yunfeng Liang and Prof. Songfang Huang, which explores AI agents for end-to-end automation of simulation experiments in fusion-energy scenarios, with a focus on domain knowledge base construction and long-context memory storage, retrieval, and recovery to maintain consistent and effective agent memory.

SemGauss-SLAM Course Project **Fall 25, Introduction to Intelligent Robots**

AMP-STROTSS Neural Style Transfer Course Project **Fall 24, Computer Vision**

Tiny PyTorch Course Project **Fall 24, Programming in AI**

Honors & Awards

- 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 (613)
Programming Language: C/C++, CUDA, CMake, Python, MATLAB, LaTeX, taichi
Technologies: Pytorch, Git, Linux, Scikit-learn, Jupyter Notebook, OpenFoam