

# SICHENG FENG (冯思程)

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https://fscdc.github.io

## EDUCATION

### Nankai University

2021.9 – now

Bachelor of Computer Science Score: 91.24/100 GPA: 3.79/4

Tianjin, China

- Second-Year GPA: 3.87/4 (Score: 91.79/100) Third-Year GPA: 3.98/4 (Score: 94.79/100)
- Machine Learning, Parallel programming design, AI, Algorithms, OS, etc.

## PUBLICATION

[1] Sicheng Feng, Siyu Li, Luonan Chen\* and Shengquan Chen\*. “Unveiling potential threats: backdoor attacks in single-cell pretrained models” Be submitted to *Nature Methods* [\[GitHub Repo\]](#)

## RESEARCH EXPERIENCE

### Missing TS Backdoor Research Group

2023.9 – 2024.2

Research Assistant

Nankai University

- Conducted backdoor attack experiments on various models (BRITS, LSTM, TCN, CNN, RNN) for time series classification (TSC), where the trigger design was primarily related to the missing rate in the time series. The approach proved effective. Plans for further optimizing the trigger design include adding advanced optimization techniques.

### Huan Wang Research Group

2024.7 – now

Visiting Student

Westlake University

- Led the project focused on oracle pruning.

## PROJECT EXPERIENCE

### Artificial Intelligence Internship Team Project [\[Code\]](#)

2023.5 – 2023.7

Team Leader

ChinaSoft-Nankai University Collaborative Program

- Led a team to successfully develop a medical knowledge graph intelligent question answering system utilizing the Neo4j database.
- Focused on implementing parallel data crawling, adeptly processing vast datasets (over 600K), creating data visualizations using Echarts, and developing HTML webpages.

### University Integration Project (Course Projects) [\[Code\]](#)

2023.3 – now

Founder

GitHub

- Replicated and improved [scGMAI](#) by employing parameter search and module replacement, achieving a TOP4 ranking in the ML course final project.
- Achieved a full score in the AI course final defense, where my team focused on the object detection task.
- Systematically organized and stored various code snippets.

## PROFESSIONAL SKILLS

- Programming Languages: Python (Pytorch), C/C++, Rust, Shell, HTML.
- Languages: English - CET4 (608), CET6 (582), TOEFL (80); Mandarin.
- Other Skills: Latex/Markdown, Git, Adobe Illustrator/Drawio, Linux, Parallel programming, Compiler.
- Tools: ChatGPT-4, Copilot, OpenAI-API.

## AWARDS & SCHOLARSHIPS

Provincial second prize in the National College Student Mathematical Modeling Competition

2023.12

First-class university scholarship

2023.10

National third prize in the Huashu Cup National College Students Mathematical Modeling Competition

2023.8

Team leader of the 'Excellent Team'

2023.7

The 'Distinction' level award (top 15% nationwide) in the 2019 AMC10 Competition

2019.9