SICHENG FENG (冯思程)

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🎓 EDUCATION

Nankai University 2021.09 – now
Bachelor of Computer Science   Score: 91.24/100   GPA: 3.8/4 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.
- Scholarships: first-class university scholarship (2023.10)

📑 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] [Paper]

📑 RESEARCH EXPERIENCE

Missing TS Backdoor Research Group 2023.09 – 2024.02
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.

ENCODE Lab 2024.07 – now
Visiting Student Westlake University

- Led a research project on the effectiveness of oracle pruning, focusing on assessing weight importance based on loss evaluation.

🔧 PROJECT EXPERIENCE

Artificial Intelligence Internship Team Project [Code] 2023.05 – 2023.07
Leader ChinaSoft-Nankai University Collaborative Program

- A medical knowledge graph intelligent QA system utilizing the *Neo4j* database and *Django* framework.
- Parallel data crawling, database construction, data visualizations (*Echarts*) and web design.
- Won 'Excellent Team' award in final competition (**Top1, 5.6%**).

University Integration Project [Code] 2023.03 – now
Founder GitHub

- Replicated and improved scGMAI by employing *param search* and *module replacement* (**Top4, 5.6%**).
- Achieved a **full score (4.8%)** in the AI final defense, where my team focused on the *object detection* task.
- Organized and stored various code snippets (**over 40 stars**).

⚙ PROFESSIONAL SKILLS

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

🏆 AWARDS

National first prize 2024.08
National College Student System Ability Competition - Compiler Implementation Competition
Provincial second prize 2023.12
National College Student Mathematical Modeling Competition
National third prize 2023.08
Huashu Cup National College Students Mathematical Modeling Competition
'Distinction' level award (15%) 2019.09
AMC10 Competition