

Jiyu JIANG

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Education

New York University Shanghai, BS in Science Sept 2015 – June 2019

- GPA: 3.0/4.0
- Participated in the study away program at NYU's main campus.

School of Data Science, Fudan University, Master in Science Sept 2022 – June 2025

- GPA: 3.31/4.0
- **Relevant Courses** Foundation of Modern Probability, Introduction to Algorithms, Optimization, Advanced Statistical Learning, Numerical Calculation, Artificial Intelligence and Machine Learning.

Experience

Visiting Student, State Key Lab of Processors, Institute of Computing Technology - August 2023 – July 2024
Beijing

- Explored the shadow tomography problem when some prior knowledge can be utilized, called 'prediction'.
- Participated in developing the QuICT algorithm library, responsible for the machine learning part of quantum circuit fidelity estimation, patent pending.

Coding Hackathon, Fudan University, Shanghai January 2025

- Solved some algorithm problems in C++.

Publications

- J. Jiang, Z. Wan, T. Li, M. Shao, J. Zhang, *Shadow tomography of quantum states with prediction*, Frontiers of Computer Science 19(7):197907, 2025.doi:10.1007/s11704-024-40414-w

Skills

- **Programming** Python, C++, Java, Matlab, Lua.
- **Languages** Mandarin, English.