



Xian Wu.

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Research Interest

Quantum Computation, Quantum circuit synthesis, Machine Learning, state preparation

Education

- 2021.9 – now  **M.Sc in Computer Science.**
Sun Yat-sen University.
- Mentor: Prof. Lvzhou Li
 - Focus areas: Quantum computing, Quantum circuit synthesis
- 2017.9 – 2021.6  **B.S in Computer Science.**
Sun Yat-sen University.
- Focus areas: Machine Learning





Experience

- 2021.3 – 2021.6  **Sun Yat-sen University.**
Research Assistant
Mentor: Prof. Lvzhou Li
- Learn about quantum computing and assist some students in their research projects.
 - Participate in research on linear reversible circuit synthesis and program implementation.

Research Publications

Li L, Wu X. Asymptotically optimal synthesis of reversible circuits[J]. arXiv preprint arXiv:2302.06074, 2023.

Skills

- Languages  Strong reading, writing and speaking competencies for English, Mandarin Chinese, Cantonese.
- Coding  C++, Python, Matlab, \LaTeX ...
- Databases  MySQL.
- Misc.  Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.

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- 2022.8  **First prize of the 1-st Sinan Cup**
CCF "Sinan Cup" Quantum Computing Programming Challenge

References

Prof. Lvzhou Li Department of Computer Science,
Sun Yat-sen University
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