

Yue Tu

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Education

University of Michigan (incoming)

PHD, ECE

- Advisor: [Yulong Dong](#)

University of Chicago (Oct. 2024 – now)

M.S., Computational and Applied Mathematics

- GPA: 3.7/4.0
- Advisors: [Liang Jiang](#), [Laura Gagliardi](#)

Sun Yat-sen University (Sept. 2020 – June 2024)

B.S., Computer Science

- GPA: 3.9/4.0
 - Advisors: [Pengfei Chen](#), [Xianwei Zhang](#), [Zhiguang Chen](#), [Lvzhou Li](#)
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Publications & Preprints

- **Y. Tu**, L. Jiang. “Quantum Advantage in Learning Mixed Unitary Channels”. [arxiv](#). (Nov. 2025)
 - **Y. Tu**, L. Gagliardi, et al. “The Localized Active Space Method with Selective Linearized Coupled Cluster”. submitting to JCTC. [manuscript](#)
 - **Y. Tu**, J. Liu, et al. “Towards identifying possible fault-tolerant advantages of quantum linear system algorithms in terms of space, time and energy”. Under review. [arxiv](#). (Apr. 2025)
 - A. Sun, **Y. Tu**, et al. “Archs: A WebAssembly Runtime for Cross-host Heterogeneous Computing in Serverless”. HP3C, [paper](#). (Nov. 2024)
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Awards

- National Computer System Capability Competition 2nd prize (~\$1.4k) (2023)
 - Student Scholarship of Sun Yat-sen University 2nd & 3rd prize (~\$800) (2022, 2023)
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Additional

- Technical: C/C++, Python, MATLAB, bash
- English: TOEFL 108