

# Mo, Yin

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## Personal Information

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## Education

- The University of Hong Kong
  - 2016 - present
  - PhD Candidate, Computer Science
- Tsinghua University
  - 2012 - 2016
  - The B.S. degree in Physics
  - Specialized courses: Quantum Information, Advanced Quantum Information Theory, Quantum Mechanics(1), Quantum Mechanics(2), Group Theory, Topology, Fundamentals of Computer Software Techniques

## Research Interests

- Quantum Information Theory, especially quantum machine learning, indefinite causal order, device-independent, group theory.

## Publications

- Mo, Yin, and Giulio Chiribella. "Quantum-enhanced learning of rotations around an unknown direction." *arXiv preprint arXiv:1906.01300* (2019).
- Mo, Yin, and Giulio Chiribella. "Benchmark for the quantum-enhanced control of reversible dynamics." *arXiv preprint arXiv:1706.04128* (2017).

## Conference Presentations

- August 2017 in Toronto, 7th biennial Conference on Quantum Information and Quantum Control  
"Benchmark for the coherent control of reversible quantum"
- September 2018 in Nagoya, Japan, 18th Asian Quantum Information Science Conference  
"Benchmark for the quantum-enhanced learning of a reversible dynamics."

## Honor

- 2011 1st prize of the national Olympiad in Physics in Provinces, China

## **EXTRACURRICULAR ACTIVITIES**

- Being a volunteer teacher in Henan Province in summer, 2013
  - Joining the Shuji organization to teach primary school students, in Henan Province, fundamental science.
- Directing two films for Department's festival
  - Writing scenario, organizing the filming, helping doing the post processing.
- Core member in the soccer team of Physics Department
  - Helping organizing the department soccer league.
- Interests
  - Physics, Reading, Soccer, Chess