

# BIN LUO | Curriculum Vitae

The Chinese University of Hong Kong, Shatin, N.T., Hong Kong SAR

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🔗 Bin Luo • [in](#) Bin Luo

## EDUCATION

### The Chinese University of Hong Kong (CUHK)

Hong Kong, China

*Ph.D. Student in Computer Science and Engineering, GPA: 3.81/4.00*

Aug. 2023 – Present

Advanced Networking and System Research Laboratory (ANSRLab)

Supervised by Choh-Ming Li Chair Prof. John C.S. Lui (IEEE Fellow, ACM Fellow)

### Sun Yat-sen University (SYSU)

Guangdong, China

*Bachelor of Science, Mathematics and Applied Mathematics, GPA: 91/100*

Sept. 2019 - June 2023

## RESEARCH INTERESTS

My current research focuses on the theory of quantum computing and quantum algorithms, as well as their applications in (distributed) quantum networks.

## PUBLICATIONS

- **Bin Luo**, Yuwen Huang, Jonathan Allcock, Xiaojun Lin, Shengyu Zhang, John C.S. Lui. Quantum Algorithms for Finite-horizon Markov Decision Processes. *Forty-Second International Conference on Machine Learning 2025*. ICML 2025.
- **Bin Luo**, Xiaojun Lin, John C.S. Lui. Exploring the Structural Property of the Optimal Entanglement Policy for Quantum Switch. *IEEE Conference on Computer Communications 2025*. INFOCOM '25.
- XIAO Yao, **LUO Bin**, CHEN Yuhuan, WEI Pengxu, LIN Liang. Robust Unsupervised Domain Adaptation Image Classification Model Based on Adversarial Distillation. Patent, CN115019106A, 2022.

## HONORS & AWARDS & GRANTS

Type-A Student Travel Grant of IEEE INFOCOM	2025
SYSU Outstanding Undergraduate Thesis Award (Top 11 of 170)	2023
Meritorious Winner, Mathematical Contest in Modeling (Top 7% in the world)	2021
SYSU Outstanding Student Second Class Scholarship (Top 10 of 84)	2019 - 2020
SYSU Outstanding Student First Class Scholarship (Top 5 of 84)	2020 - 2021
Excellent Student Cadre of School of Mathematics, SYSU	2019 - 2021
Outstanding Volunteers of School of Mathematics, SYSU	2019 - 2021

## EXTRACURRICULAR ACTIVITIES

### Student Union of School of Mathematics, SYSU

Sept. 2020 - June 2021

*Member of the Presidium*

- Coordinated three departments with 30 cadre and officers and organized recruitment, training, and meetings.
- Organized seven large-scale activities with 2,000+ participants and promoted the college's academic events.

## TEACHING ASSISTANT

CSCI2040: Introduction to Python

Fall 2023-Fall 2024, CUHK

CSCI5370: Quantum Computing

Spring 2025, CUHK

## SKILLS

Programming: C, Python, MATLAB, LaTeX

Frameworks: PyTorch, Qiskit

Languages: Mandarin (Native), English (Fluent), Cantonese (Native)