

# Erdong HUANG

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## Education

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**The Hong Kong University of Science and Technology (Guangzhou)** 02/2025 –present

*PhD in Artificial Intelligence*

- **Research Interests:** Quantum Information Theory, Quantum Computing, Quantum Hardware

**The Chinese University of Hong Kong**

09/2022 –10/2023

*Master of Science in Physics*

- **GPA:** 3.250/4.0
- **Relevant Courses:** Quantum Computation and Quantum Information, Quantum Optics

**Beijing Institute of Technology, Zhuhai**

09/2017 –07/2021

*Bachelor of Science in Applied Physics*

- **GPA:** 3.98/5.0

## Publications

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Yao, H., Chen, Y. A., **Huang, E.**, Chen, K., Fu, H., & Wang, X. (2024). **Protocols and trade-offs of quantum state purification.** arXiv preprint [arXiv:2404.01138](https://arxiv.org/abs/2404.01138). Sep 2024



## Experience

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**The Hong Kong University of Science and Technology (Guangzhou)**

*Guangzhou, China*

*Research Assistant*

11/2023 – 01/2025

*Supervisor: Prof. Xin Wang*

- Studied on Protocols and Trade-Offs of Quantum State Purification
- Developed Python library for quantum computing and quantum information processing

## Technical Skills

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**Proficient in** Matlab, Mathematical, C language, Python, LaTeX

**Skillful at** Programming, Physical Experiments, and Data Processing