

# JIAYI ZHAO

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## EDUCATION

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**Master of Science (Mathematics)**, Zhejiang University, China *2020 - 2023*  
Major: Quantum Information and Quantum Computation  
Average Grade: 89.47/100  
Supervisor: Junde Wu

**Bachelor of Science**, Jilin University, China *2016 - 2020*  
Major: Mathematics and Applied Mathematics  
Average Grade: 89.18/100  
Supervisor: Sen Zhu

## RESEARCH INTERESTS

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The interplay of operator algebra, quantum information, and computational complexity.

## PAPERS

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**Range inclusion and diagonalization of complex symmetric operators**  
Cun Wang, Jiayi Zhao, and Sen Zhu  
*Canadian Journal of Mathematics* (2024)  
<https://doi.org/10.4153/S0008414X24000294>

**Range inclusion of linear operators**  
Bachelor thesis supervised by Sen Zhu (2020)

**A Study of Measureable Finite Information Quantities**  
Master thesis supervised by Junde Wu (2023)

## RESEARCH EXPERIENCE

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**Research Assistant**, The University of Hong Kong *2023- 2024*

## AWARDS AND SCHOLARSHIPS

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**Outstanding student of the School of Mathematics**, Jilin University *2020*

**Second-class Scholarship**, Jilin University *2019-2020*

**Third-class Scholarship**, Jilin University *2018-2019*

**Third-class Scholarship**, Jilin University *2017-2018*

**Second-class Scholarship**, Jilin University *2016-2017*