

# Zihan Yan

PhD Student at Trinity College, Cambridge

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## Education

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2021 – Present | **DAMTP & Trinity College, University of Cambridge**  
*PhD in Applied Maths and Theoretical Physics*  
Research Aspects: Black Hole Thermodynamics, Holography, Quantum Gravity

2020 – 2021 | **Trinity College, University of Cambridge**  
*MMath in Mathematics* - Honour Pass with Distinction 86%

2017 – 2020 | **Trinity College, University of Cambridge**  
*BA in Natural Sciences (Physics)* - Class I

## Academic Awards and Qualifications

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2021 - Present | **Trinity College Internal Graduate Studentship**  
Full funding for PhD studies.

2019 - 2021 | **Trinity College Senior Scholar**

## Research Experience

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2020 - 2021 | **Independent Research Project**  
Research on Black Hole Thermodynamics investigating the connection between classical and holographic methods in calculating black hole entropy under a general higher-curvature gravity theory. *Carried forward to current PhD studies.*

2019 | **DAMTP, University of Cambridge**  
*Summer Research Student*  
Geophysical fluid dynamics: basal sliding of ice sheets, experimentally.

## Teaching

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2021 | **University of Cambridge**  
*Undergraduate Supervisor*  
Part II Principles of Quantum Mechanics (Michaelmas 2021)

Latest Update: November 1, 2021