

# Finn Gagliano

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🔗 INSPIRE

🔗 Personal Website

Last Updated: December 12, 2024

## Education

- 2024 – 2028    📖 **PhD Mathematical and Theoretical Physics, Durham University**  
Supervised by Professors Mohamed Anber and Iñaki García-Etxebarria  
Funded by STFC
- 2023 – 2024    📖 **MSc Particles, Strings and Cosmology, Durham University**  
Postgraduate Taught Masters  
Thesis Title: *Generalised Symmetry and Geometric Engineering*  
Supervised by Professor Iñaki García-Etxebarria
- 2019 – 2023    📖 **MSc Mathematics and Computer Science, Durham University**  
Undergraduate Integrated Masters  
Thesis title: *Special Holonomy Manifolds in String Theory & M-Theory Reductions*  
Supervised by Professors Andreas Braun and Aristomenis Donos

## Research Interests

- String Theory & Quantum Field Theory    📖 Generalised Symmetry, Geometric Engineering, SCFTs  
Geometry and Topology    📖 Calabi-Yau Manifolds, Category Theory, Algebraic Topology

## Publications

- 2024    📖 SymTFTs for  $U(1)$  symmetries from descent; with Iñaki García Etxebarria

## Conferences and Schools

- 2024    📖 **Paths to QFT** conference in Sarajevo, Bosnia and Herzegovina
- 2023    📖 **Future Mathematician International Summer Camp** held at USTC Hefei, China, funded by a USTC Fellowship. *Gave a talk on Calabi-Yau manifolds.*
- 2021    📖 **Quantum Technologies Summer School** at University College, London (UCL)

## Teaching


- 2024    📖 Tutor for Mathematical Physics II, Durham University
- 2021    📖 Tutor for Theory of Computation II, Durham University

## Administrative Duties

- 2024 –    📖 Postgraduate Research Representative, PGRSSCC, Department of Mathematical Sciences, Durham University  
Attending termly meetings of the Postgraduate Research Staff Student Consultative Committee (PGRSSCC) with representatives across the Department of Mathematical Sciences to discuss matters of postgraduate research within the department.

## Administrative Duties (continued)

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- 2024 –  Mathematics Postgraduate Representative, Postgraduate Directors Committee, Durham University  
Attending termly meetings to discuss postgraduate research and admissions in departments across the university.

## References

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Available on Request