Madalena de Gouveia Magalhães

London & Cambridge
UK

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EDUCATION

BSci Mathematics
Cambridge University

Oct. 2024 – Present
Cambridge, UK

- Part III of the Mathematical Tripos
- Pure Mathematics
- Focus: Algebraic Geometry & Algebraic Topology

BSci Mathematics
King's College London, First Class Degree

Sept. 2021 – May 2024
London, UK

- Year 2 average of **84%**
- Top mark of cohort with **88%** in Quantum Theory
- **91** in Rings & Modules and Representation Theory
- **94** and **95** in Complex and Real Analysis

A-Levels
Dunraven Sixth Form

Sept. 2019 – Aug. 2021
London, UK

- A* Mathematics, A* Further Mathematics, A Computer Science

RESEARCH EXPERIENCE

Third Year Project – Riemann Mapping Theorem
King's College London

Oct. 2023 – March 2024
London, UK

- Complex Analysis, Conformal mappings & Möbius transformations
- Subharmonic functions & Harnack's Inequality
- Achieved a First

Supervisor: Dr. Jeremiah Buckley

Research Interests: Algebra, Geometry & Topology.

PROFESSIONAL EXPERIENCE

King's Factor Mathematics Tutor
King's College London

Sept. 2023 – March 2024
London, UK

- * Tutors are selected from top 10% of each undergraduate cohort
- * The programme aims to promote diversity in STEM

Further Tutoring Experience

Sept. 2018 – Aug. 2024
London, UK

- * Private tutor for GCSE & A-Level students while in Year 1 & 2 of the degree
- * Volunteer tutor (Maths Ambassador) while in Year 11 & 12

AWARDS

Space Prize Portugal
Space Prize Foundation & Mário Ferreira (Chairman of Media Capital)

Feb. 2023

- Won first place with an essay on space exploration
- Earned an *AirZeroG* flight at *Novespace*, Bordeaux-Mérignac
- Earned a mentorship with Karin Nilsdotter (CEO of Spaceport Sweden) for one year

Global Summer Exchange Award

Aug. *Radboud Summer School*

May 2022
Nijmegen, Netherlands

- Introduction to Quantum Theory & Practice of Quantum Computing

Exceptional Student

Aug. 2019
St Martin-in-the-Fields High School for Girls
London, UK

- Top student; graduated with nine 9's & one A*

SKILLS

Coding: LaTeX (and Overleaf), Python, C++
Languages: Portuguese (fluent), knowledge of French & Spanish