

Coy Zhu

Engineering Undergraduate at Trinity College, University of Cambridge.

Trinity College • Cambridge, CB2 1TQ • ckz20@cam.ac.uk • +44 7491 148465 • www.linkedin.com/in/coy_zhu
<https://coy-z.github.io/>

Education

Trinity College, University of Cambridge

Engineering BA and MEng

Grades: 4th out of 323 in University of Cambridge and 1st in Trinity College for Part IA (799/900)

Cambridge

2023-2027

2024

53rd International Physics Olympiad

Silver Medal, 55th out of 400+ contestants (64%)

1st in the UK for the British Physics Olympiad Round 3 and NPL Theoretical Physics Prize

Tokyo

2023

Nottingham High School

4 A* in Further Mathematics, Mathematics, Physics and Chemistry

Distinction in British Mathematics Olympiad Round 1 (33/60) and full marks in the Senior Maths Challenge

Gold in the UK Chemistry Olympiad Round 1 (84%) and qualified for the International Chemistry Olympiad UK team selection camp

Nottingham

2016-2023

Experience and Projects

Sepal AI

Consultant — Physics Specialist

- Validating, solving and rewriting physics questions for an AI reasoning evaluation scheme.

Remote

August 2024

British Physics Olympiad

Lecturer

- Delivered a 2 hour lecture on AC theory and applications to the top 14 students in the British Physics Olympiad.
- Written self-made notes with \LaTeX . You can find these at <https://coy-z.github.io/teaching/acnotes/>.
- Tutored a student who subsequently qualified for the International Olympiad of Astronomy and Astrophysics UK team selection camp.

Oxford

April 2024

Orbyts AGN Research Paper

Student Researcher

- Analysed data of active galactic nuclei from the XMM Newton X-ray telescope using Python.
- Published results and conclusions in the Astronomy Theory, Observations and Methods Journal.
- Delivered a final remote presentation detailing some theoretical aspects and results.

Nottingham

October 2022 – April 2023

Leadership & Activities

Cambridge University Space Flight

Computational Fluid Dynamics Engineer

- Learning COMSOL in a team to model aerodynamic flutter of rocket fins.

Cambridge

January 2024 – June 2024

Trinity College Engineering Society

Freshers' Representative

- Representing first year engineering undergraduates at Trinity College in social and academic matters.
- Organising engineering freshers' events according to student desires.

Cambridge

October 2023 – Present

Skills & Interests

Technical: Python, C++, Solidworks 2022, \LaTeX , Microsoft Office

Language: English (Native fluency), Chinese (Conversational fluency)

Interests: Saxophone (dipABRSM) and violin (Grade 8 Merit) player, Jazz enjoyer, Badminton enthusiast