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 — Cambridge
Engineering BA and MEng — 2023-2027
Grades: 4th out of 323 in University of Cambridge and 1st in Trinity College for Part IA (799/900) — 2024

53rd International Physics Olympiad — Tokyo
Silver Medal, 55th out of 400+ contestants (64%) — 2023
1st in the UK for the British Physics Olympiad Round 3 and NPL Theoretical Physics Prize

Nottingham High School — Nottingham
4 A* in Further Mathematics, Mathematics, Physics and Chemistry — 2016-2023
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

Experience and Projects

Sepal AI — Remote
Consultant — Physics Specialist — August 2024
- Validating, solving and rewriting advanced physics questions for an AI reasoning evaluation scheme.
- Streamlining objectives with client AI lab via reviewal feedback loops.

British Physics Olympiad — Oxford
Lecturer — April 2024
- 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.

Orbyts AGN Research Paper — Nottingham
Student Researcher — October 2022 – April 2023
- 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.

Leadership & Activities

Cambridge University Space Flight — Cambridge
CAD Modelling — October 2023 – December 2023
- Used Solidworks 2022 to develop a CAD model of the nose cone of a model of Griffin (the CUSF flagship rocket).
- Laser cut the designed pieces and constructed the nose cone.

Trinity College Engineering Society — Cambridge
Freshers' Representative — October 2023 – Present
- Representing first year engineering undergraduates at Trinity College in social and academic matters.
- Organising engineering freshers' events according to student desires.

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