

Education:

University of Oxford - MMath Mathematics (October 2020 - June 2025)

- Gibbs Prize in Part B with a cohort rank of 3.

King's College School Wimbledon (September 2009 - June 2020)

- A-levels 2020 4 subjects at grade A*
- GCSEs 2018 7 subjects at grade A*, 4 subjects at grade 9

Experience:

Research assistant, University of Oxford (July 2022 - September 2022)

- Ran and maintained code in a high performance computing cluster to map short read genetic data, and perform BGC (biased gene conversion) and GC-BGC analysis.
- Learnt R API wrappers to interface with taxonomy databases such as OTL (Open Tree of Life), NCBI, ITIS. Used this knowledge to mark investigated species in the research on a giant species tree.

Skills:

- Programming in Python, including NumPy and Matplotlib.
- Programming in MATLAB and R.
- Familiar with LaTeX.
- Comfortable working in a Linux command line, including tools such as Screen, Emacs and Git.
- Fluent speaker of Mandarin.

Hobbies, Interests and Achievements:

- Distinction in the second round of the 2020 British Maths Olympiad.
- Silver medal in the second round of the 2020 British Physics Olympiad.
- Creating mathematical [visualisations](#) in the Desmos graphing calculator.
- Overall winner of the Tom Rocks Maths essay competition.
- Writing python programs to further explore interesting topics.
- Roentgenium award in the 2019 Cambridge Chemistry Challenge, given to the top 56 candidates in the country.
- Programming in GLSL to create a raymarching.
- Taught maths once a week to a class of Year 5 and 6 children in sixth form, helping build communication and leadership skills.