Orson Hart

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Qualifications

GCSEs: 11 Grade 9 GCSEs. *(2018)*
A Levels: 4 A*s in Maths, Further Maths, Physics, and Computer Science. *(2020)*
Degree: MMath in Mathematics from University of Oxford. *(To be completed 2024)*

Achievements

- Ranked 4th out of a cohort of 196 in the 2021 Oxford Prelims Maths exams.
- Received the 2021 Roger Bartlett Prize award.

Experience

- Proficient in using Python, MATLAB, and LaTeX.
- Tutored GCSE Level Maths.
- Member of the Oxford Maths Ambassadors team.
- As part of the Exeter Mathematics Certificate program, I have completed both individual and group academic projects and presented the results at public talks.
- Provided data analysis for the UK Met Office identifying anomalies in weather station data.
- Appeared in front of a large online audience at international charity event ESA raising money for Save the Children.

Projects

Exeter Maths Certificate

As part of the EMC program I completed 3 academic projects on a variety of topics.

Graph Theory: Explored the field of graph theory and it's applications and presented the results to a large audience.
Met Office: I worked with the UK Met Office to analyse weather station data in order to account for anomalous results, and presented our findings to a team of experts.
Machine Learning: An independent project which broadened my understanding of machine learning and developed skills in implementing neural networks.

Pycross

A picross puzzle suite developed using Python and pygame. This project not only developed skills in programming and algorithm design, but also taught me about the process of software development and documentation.