Hugo **Aaronson**

PhD Student at the University of Warwick

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Education

Trinity College, University of Cambridge *Cambridge, UK*
B.A. and MMath in Mathematics *Oct. 2017 - Jul. 2021*
- Distinction Level Masters Project in "Measurement Based Quantum Computing"

University of Warwick *Coventry, UK*
Currently Pursuing a PhD in Computer Science *Oct. 2021 - Jul. 2025(prospective)*
- Working under Professor Tom Gur

Honors & Awards

International

2017	**Bronze Medal**, Balkans Mathematics Challenge	*Ohrid, North Macedonia*
2014	**Distinction**, Singapore International Mathematics Challenge	*Singapore, Republic of Singapore*

Domestic

2020	**Faculty Election**, Elected as postgraduate student representative to the mathematics faculty at the University of Cambridge	*Cambridge, UK*
2019	**Heilbronn Essay Prize**, Awarded for an excellent essay on "The Topic of NP-Completeness", set by Professor Timothy Gowers	*Cambridge, UK*
2017	**Selection Camp**, Invited as one of 20 to the International Mathematics Olympiad Selection Camp for my result in the British Mathematics Olympiad	*Cambridge, UK*
2017	**Selection Camp**, invited as one of 14 to the International Informatics Olympiad Selection Camp for my result in the British Informatics Olympiad	*Cambridge, UK*
2017	**Senior Scholarship**, Awarded at St Paul's School for excellent academic performance	*London, UK*

Work Experience

Coverup Education *London, UK*
Software Engineer *Nov. 2016 - Aug. 2017*
- Worked part time in a student run team to collaborate to build an educational app to help students revise
- Collaborated with other members, discussing and contributing ideas as well as combining some with my own
- Gained experience in CSS, HTML and JavaScript for creation of a mobile app

Research

Research Interests: Quantum Computing, Complexity Theory, Quantum Information Theory, Learning Theory

Trinity College, Cambridge *Cambridge, UK*
Summer Research Project *Summer 2020*
- Followed on from an essay on NP-Completeness which was awarded the Heilbronn essay prize
- Worked for 8 weeks on attempting to classify unclassified decision problems between P and NP-Complete

Skills and Activities

Skills

- Programming Languages: C++, C#, Python, Javascript, MATLAB
- Other Languages: SQL, SQLite, LaTeX, HTML, CSS