

JACOB KNIGHT

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EDUCATION

Gonville and Caius College, University of Cambridge Natural Sciences (Physics) MSc First Class Honours in First, Second, Third and Fourth years	2016 - 2020
Haberdashers' Aske's Boys' School A levels: Mathematics (A*), Further Mathematics (A*), Physics (A*), Chemistry (A*) AS levels: History (A) GCSEs: A* grades in 10 subjects, including Mathematics, English and German	2009 - 2016 2016 2015 2014

EXPERIENCE

Private Tuition · Worked with a number of secondary school pupils, tutoring Maths, Physics and Chemistry up to A-level standard · Received outstanding feedback and have been recommended to a number of new clients on the basis of my work with existing students	June 2019 - Present
Masters Project: Phase Transitions in Scalar Field Theories <i>Soft Matter Group, DAMTP, Cambridge</i> · Designed a systematic approach for optimizing finite-time protocols in stochastic thermodynamic systems, with a focus on Active Matter · The project is still being worked on with the ambition of submission for publication	November 2019 - May 2020
London Center for Nanotechnology <i>Quantum Devices Group</i>	July - August 2019
Centrica Summer Internship Scheme <i>Business Analyst</i>	June - August 2018

ACHIEVEMENTS AND INTERESTS

- Ranked 39th out of 600+ students in Natural Sciences first year exams (2017)
- Received the Jeston Academic Scholarship from the Haberdashers' Foundation in recognition of outstanding academic achievement (2016)
- Competed twice in the national finals of the UK Space Design Challenge competition, presenting to an audience of 300 people (2014, 2015)
- Played the drums since the age of 11, in numerous Jazz bands and an alternative rock band, M.U.X.
 - Performed at several London venues including the O2 Academy Islington and our music can be found on Spotify
- Past treasurer of Cambridge University Kickboxing Society (2018-19) and President of Caius Jazz Society (2018-2020), organising termly concerts featuring leading UK Jazz musicians

REFEREES

Dr. John Ellis
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Dr. Etienne Fodor
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