

Fraser Nicholson

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Education

- 2018–Present **Higher Education**, *University of Warwick, Physics Undergraduate, 1st Year Grade : 2(i).*
- 2018 **A Level's**, *The Cotswold School, 2 A's - Maths and Physics, 2 B's - Further Maths and Geography.*
- 2016 **GCSE's**, *The Cotswold School, 4 A*'s - Maths, Additional Maths, Physics and Chemistry. 4 A's - Biology, Geography, French and Physical Education. 2 B's - English Literature and English Language.*

Achievements

- Present Currently holding the executive position of **Tour Secretary** in the University of Warwick Men's Cricket Club. In this role I manage a **£44,000** budget to organise a sports tour to South Africa
- 2019 Ran the Stratford half marathon and helped raise over **£7,000** for **Solving Kids' Cancer**
- 2017 Trinity College London **Guitar Grade 6**
- 2015 Bronze **Duke of Edinburgh Award**
- 2013 Recipient of the **Principal's Prize** award, given to students who show excellence throughout the school year

Course Projects

- Autumn 2019 **Group project** presentation on Crystal Growth
- December 2019 **Physics Laboratory Report** - *How do different Gamma-Ray Interactions within a Gamma-Ray Detector affect the uncertainty on the Spectrum of a Source?*
- March 2019 **Physics Laboratory Report** - *Determining the Accuracy and Precision of Different Methods of Determining the Speed of Light in a Vacuum, c*
- February 2019 **Physics Laboratory Report** - *Modelling diffraction of a coherent source of light through single and multiple slits*
- December 2018 **Physics Laboratory Report** - *Investigating different methods of determining the resonant frequency for a radio*

Work Experience

- May 2015 One week of Work Experience at **Morgan Motor Company** working in 5 different departments

Technical Skills

- Programming PYTHON, HTML, CSS, JAVASCRIPT, PHP, G (USED BY LABVIEW)
- Software ATOM.IO, JUPYTER NOTEBOOK, ORIGINLAB, MS WORD, MS EXCEL, MS POWER-POINT
- Editing ADOBE PHOTOSHOP, LATEX

Coursework

First Year Modules	Classical Mechanics and Special Relativity, Electricity and Magnetism, Physics Foundations, Physics Laboratory, Electronics, Introduction to Astronomy, Key Skills for Physics, Introduction to Particle Physics, Mathematics for Physicists, Physics Programming
Second Year Modules*	Quantum Mechanics and its Applications, Electromagnetic Theory and Optics, Physics of Fluids, Thermal Physics II, Geophysics, Hamiltonian Mechanics, Stars, Physics Skills, Physics of Electrical Power Generation, Mathematical Methods for Physicists, Computational Physics, Solar Systems

* -To be completed by June 2020

Languages

English	Fluent
French	Basic