

Jonathan H M Davis

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EDUCATION

2006 - 2010 UNIVERSITY OF WARWICK
Master of Physics (MPhys) - **First Class**

Selected Modules: General Relativity 97%, Gauge Theories for Particle Physics 94%, Relativistic Quantum Mechanics 94%, Electrodynamics 91%, Hamiltonian Mechanics 99%

1999 - 2006 LANGLEY PARK SCHOOL FOR BOYS, BECKENHAM

A-levels: Physics (A), Mathematics (A), Chemistry (A)
GCSEs: 7 A*'s, 2 A's

AWARDS

University of Warwick

- Received the Styles Prize for Excellence in MPhys degree (best overall performance).
- Awarded a scholarship as part of the Undergraduate Research Scholarship Scheme, to undertake particle theory research with Professor Paul Harrison.

RESEARCH EXPERIENCE

University of Warwick

- Final year MPhys project in the field of complexity science, on modelling landslide dynamics using computer simulations. The project culminated in the production of original research into the correlation between landslides in time, and into the relation between landslide size and duration.
- Research project over summer of 2009 into the structure of the neutrino and quark mixing matrices, supervised by Professor Paul Harrison.

SKILLS

- Good knowledge of C programming language, having used it extensively for my MPhys project at Warwick University.
- Experienced also with PHP and Javascript.
- Proficient with \LaTeX and Mathematica software.
- Languages: Fluent English and intermediate German.

INTERESTS AND ACTIVITIES

- Have taken evening classes in German, bringing me to A-level standard. These served as an excellent way for me to learn a new language, something I enjoy, and to meet new people.
- I enjoy travelling, having gone to South Korea with friends in 2009 and Romania the year before.
- Tutored an A-level student in physics and mathematics. This was a highly rewarding experience, and served excellently in improving my teaching skills and my ability to explain physical principles.