

Simon Walker

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Education

- 2009–2013 **PhD**, *University of Warwick*, Coventry.
Analysis and optimisation of ground-based transiting-exoplanet surveys, involving extensive data analysis and modelling and development of a new project
- 2005–2009 **MPhys**, *University of Warwick*, Coventry, 2:1.
Included a number of astronomy modules, electrodynamics and a project studying Kuiper Belt Objects
- 2003–2005 **A Levels**, *City of London Freeman's School*, Ashted, 4 A's.
Maths, Physics, Electronics, Music Technology
- 2001–2003 **GCSEs**, *City of London Freeman's School*, Ashted, 10 A's or A*'s.

Scientific publications

S. R. Walker et al. Determining the underlying hot Jupiter distribution through an understanding of WASP selection effects. In prep., 2013.

P. J. Wheatley et al. The Next Generation Transit Survey (NGTS). In *European Physical Journal Web of Conferences*, volume 47 of *European Physical Journal Web of Conferences*, page 13002, April 2013.

B. Chazelas et al. NGTS: a robotic transit survey to detect Neptune and super-Earth mass planets. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 8444 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, September 2012.

Previous employment

- 2009–2011 **Undergraduate physics assessor**, *University of Warwick*.
Assessing undergraduate students' 2nd year astronomy lab books, and developing critical thinking skills when judging the work quality.

Computing experience

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| Python | Scientific analysis packages, statistical inference, data visualisation |
| C++ | High performance programs, low level memory management |
| Javascript | Interactive web applications, web servers |
| Operating systems | Linux, Mac OSX |
| Others | C, HTML, Ruby, Haskell, L ^A T _E X, SQL |

Interests

- Music I enjoy performing music in a group, either through singing in a chorus or playing the guitar in a band.
- Sport I like to play squash, badminton and tennis and cycle regularly
- Games I find board games provide both competitive and cooperative ways of approaching problems, leading to new ways of thinking