

Simon Walker

2A Melbourne Road
Coventry
CV5 6JP
☎ +44 7751 012585
✉ s.r.walker101@googlemail.com

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

- | | |
|-------------------|---|
| 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