

Josh Wainwright

Personal Details

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Date of Birth

29th September, 1991

Qualifications

2013: University of Birmingham – Physics and Astronomy BSc 2:1

- Third year modules included Computational Modelling of Physical Systems, Digital Image Processing, Physics Teaching in Schools, Formation and Evolution of Galaxies and Atomic Physics
- Second year modules included Nuclear Physics, Quantum and Classical Mechanics, Advanced Mathematics, Electromagnetism and Statistical Physics
- First year modules included Optics and Waves, Quantum and Classical mechanics, Mathematics, Electronics and Electric circuits and Temperature and Material Properties.
- Degree also included practical laboratory work, computing and programming, teamwork and presentation and communication skills.
- I acted as editor and contributor for a major group project in 3rd year. Involved extensive research on a previously unknown subject, Timescale for Reionization in the Early Universe, original calculations and a presentation and detailed final report produced by the team.

2010: The Sandon School

A-Levels – Physics A; Mathematics A; Chemistry B.

AS-Levels – Further Mathematics A; Biology A.

GCSEs – Seven grade A* (including Mathematics, Physics, Chemistry and English literature); four grade A (including English Language and Biology) and one grade B.

2012: ITC Emergency First Aid at Work and Outdoor Incident Management

- Completed two day first aid course which involved minor and major injuries, incident management and emergency CPR for both the work environment and more difficult outdoor situations.

Employment

2012 – BAESystems Detica

- Worked with an experienced web development team for a large bussiness client for the summer. I developed a program to streamline and increase the efficiency of web development within the team.
- The work involved consulting with the members of the team to design the program to be as useful and focused as possible and required that I familiarise myself with both the standard set of web technologies (HTML, CSS, JavaScript), and the development environment used.
- I also atteded meetings and conference calls to understand the direction the work and the company was moving in, and to relate my contributions back to the project as a whole.

2010 – 2013 – University Representative Tour Guide

- Involved giving tours to prospective students to university, leading a group on a tour of the campus, answering questions and spending time talking to students and parents.

2007 – 2010 – Shop Assistant

- Worked in a golf equipment and accessories shop and driving range; participating in the giving of advice and the selling of golf

- worked in a golf equipment and accessories shop and driving range, participating in the giving of advice and the selling of golf equipment and accessories to the public.

2007, 2011 – Work Experience

- Worked at a local primary school assisting staff and teaching pupils in a number of aged classes. Worked closely with a number of staff members demonstrating ability to cooperate easily and effectively with experienced workers and to contribute to the running of a busy environment.

2006 – present – Volunteering

- Helping out at holiday youth club, working with large numbers of children of various ages and assisting in organising and running different activities on a day to day basis. Included interacting with children, parents and colleagues, and dealing with technical equipment used throughout the sessions (eg video camera, audio visual equipment and lighting rigs).

Interests

Computing

Am an advanced and interested user of a full range of operating systems, with a particular understanding and interest with Linux, and confident user of the LATEX typesetting language. I have experience with C++, Java, FLTK, HTML, Bash and Git. Am confident with all office applications and have experience with MatLab, GNUPlot and various scientific computing libraries, eg GSL, Root(CERN).

Judo

Trained for a number of years achieving an upper brown belt (one before black) and competed on several occasions in regional and inter-regional competitions. Also assisted other judokas, both younger and older of varying grades and abilities, with teaching and coaching as well as leading warm up and training sessions.

Hockey

Helped with the running of a hockey club at school for younger years.

Swimming

Achieved Bronze Medallion Life Saving Certificate (incl. CPR).

Music

Taught myself piano and guitar. I am now at the standard where I can confidently play the piano with others playing a range of different instruments in the church service.

BSL

Currently taking a British Sign Language (BSL) course in my spare time as this is something that has interested me for some time and as I did not pursue languages academically is an area of experience I would like to broaden.

Walking

I am also currently taking a walking qualification in summer mountain walk leading (ML). This involves leading and overseeing walks at high altitudes in all weathers, being responsible for a group of mixed age walkers and having sufficient first aid qualifications to cope with any negative situation that might occur.

Other Information

Driving Licence

Full, Clean UK Licence.

References

References

Academic and personal references are available upon request