

Joshua Watt

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PROFILE I am a BSc Physics graduate from the University of Sheffield. I am an amiable and adaptable person, passionate about my subject, computers, and tech. My strengths lie in mathematics and logic, alongside my ability to teach and explain concepts effectively at any level.

EDUCATION & QUALIFICATIONS

The University of Sheffield – BSc Physics

Results: Final Grade: Pass, Second Year: 2:2, First Year: 2:2/2:1

Modules Include; Materials, Optics, Astrobiology, Differential Equations, Quantum Mechanics, Electromagnetism, Fourier Transforms, Thermal and Statistical Physics, Programming in Python, Advanced Programming in Python, Nuclear Physics, Physical Computing, Advanced Electrodynamics, Further Quantum Mechanics, and Semiconductor Physics.

Cheadle and Marple Sixth Form College - A Levels

Physics (A) Mathematics (B) Further Mathematics (C)

Marple Hall - A Specialist Language College - GCSE

Achieved 10 A*-C GCSEs, including 2 languages. During this time I also aided one of my teachers with her maths class.

Software / Skills Python, Vivado (inc. SDK - VHDL, C), JMP, Attension Theta, Microsoft Excel, Sound Tech (analogue - ML4000 and digital - M32), Lighting Tech (Avolites)

WORK EXPERIENCE

TSC Senior | University of Sheffield Students Union (Sep 2019 to Present)

Duties: Fulfilling a variety of roles in order to run events in, and around, the students union. Roles include:

- Stage Manager - managing the tech crew, ensuring the health and safety of everyone involved in the event, and providing support for any issues the crew may have.
- Sound, Lights, or Video Technician - Set up and run the relevant tech for events, be it the lighting rig, the sound desks/racks, or projectors and video walls.

Security Operative | University of Sheffield Students Union (May 2018 to Present)

Duties: Providing maximum enjoyment for all event attendees, and staff, maintaining a safe, crime and trouble free environment

Key Skills: Situational Awareness, Teamwork, Communication, Customer Relations

Door Supervisor/Dance Marker | Spearmint Rhino, Sheffield (Jul 2018 to Present)

Duties: Maintaining a safe, crime free environment for both employees and patrons, whilst tracking earnings via mark forms

Key Skills: General Awareness, Time Management, Asset Management

Door Supervisor/Security | Leadmill, Sheffield (Jul 2018 to Present)

Duties: Providing maximum enjoyment for all event attendees, and staff, maintaining a safe, crime and trouble free environment

Key Skills: Situational Awareness, Teamwork, Communication

Open Day Guide | University of Sheffield (July 2018 -June 2019)

Duties: Helping on open days, showing people around the department and promoting the uni and department.

Key Skills: Communication (With both prospective students and parents)

Chef | The Bloomery (Aug 2017 to Oct 2017)

Duties: Preparing and cooking food, maintaining and cleaning of kitchen, and managing multiple orders to agreed service levels

Key Skills: Time & Task Management, H&S/Food Hygiene, Some Teamwork & Communication

Kitchen Porter | Ring O' Bells (Sep 2013 to Jul 2014)

Duties: Washed pots, prepared food, cleaned kitchen and kitchen equipment.

Key Skills: H&S/Food Hygiene, Some Teamwork & Communication

Private Tutor (Maths and Physics) | Self Employed (Dec 2013 to Jun 2014)

Duties: Prepared lesson plans for one to one tutoring sessions with students to prepare them for their GCSE level exams in Mathematics and Physics.

Key Skills: Planning, Communication, Teaching

OTHER

EXPERIENCE

Volunteer Teacher/Assistant | Tithe Barn School (Jun 2019 to present)

I currently volunteer at a school in Stockport, helping to run their Code Club (as I did at Ludworth before I left for uni in 2014), and helping to teach a class/half a class of year 4s the fundamentals of programming for use in later years, and hopefully Code Club next year.

Club Leader | Code Club (Sep 2012 to Jun 2014)

I was one of the club leaders at code club, where we ran '*coding for kids*' to teach children aged 9-11 the basics behind coding. In particular I ran a program, where I taught them how to code in Python, completing projects including the design of a basic adventure game, alongside helping kids working in scratch.

Assistant | CoderDojo (Jun 2014 to Sep 2014)

This was a summer position in which I helped give young children a fun, but educational way to learn Python. This was achieved by using a Python module to let the children program various things in Minecraft, using a raspberry pi. Apart from helping with the actual writing of the code, I also assisted with the set-up and day to day running of the club, including but not limited to; setting up the equipment, and helping kids and parents troubleshoot technical issues.

Treasurer | University of Sheffield Rock Society (Sep 2018 to Jul 2019)

I took on this elected role on the Rock society committee in my final year at university. I was in charge of managing the society's finances, mostly organising payments for our regular festival trip, applying for funding, and sending payments.

Team Captain | SSNGE - DotA 2 Team (Jan 2019 to Present)

During the 2nd semester of 3rd year, I captained the university 2nd DotA 2 team. Organising scrims, trying to get the team together for regular tournament games. We placed much higher than our seeding in the NSE spring tournament (out first tournament together) and intend to carry on, improving together.

General Crew | University of Sheffield TSC (Sep 2019 to Present)

This is a volunteering position I took in order to pursue my interest in sound tech, however I have worked very sporadically for financial reasons. This role was mostly made up of setting up lighting and sound for the regular gigs and club nights at the union. Over Easter of 2019 I completed a weeklong training course to further my knowledge and skills in sound, lighting and video, allowing me to take technician positions in the future.

References available upon request.