Matthew Hawes

I'm a cheerful and confident Theoretical Physics student looking for a new challenge.

Waterside House, Watery Lane, Beachampton, MK19 6DZ
07845047981
hawes.info@gmail.com

EDUCATION

University of Oxford — *MMathPhys (85%)*

Sept 2013 - July 2017
- Distinction in Masters placing **6th/44**
- 1st Class in Bachelor's placing **14th**, **15th** and **17th/172**
- First, second and third year practical course commendations

EXPERIENCE

Softwire — *Software Development Intern*

July 2017 - Present
- Selected to work on two internal projects including the beginnings of a company wide infrastructure project
- Applied professional software development principles such as Unit Testing, CI, Code Reviews and Version Control

University of Oxford — *Condensed Matter Summer Student*

July - Sept 2016
- Extended the functionality of two data acquisition programs to include extra instruments (Python and MATLAB)
- Leveraged Python's parallel processing capabilities to improve performance

Aerospace — *Theoretical and Computational Physics Student*

July - Sept 2015
- Successfully conducted research into improving numerical integration methods for transport calculations
- Presented conclusions at conference of the IMA

University of Oxford — *Science Educator*

Jan 2014 - Present
- Taught a range of physics topics to secondary school students
- Workshop leader and coordinator of six demonstrators

INTERESTS

I enjoy rock climbing, both indoors and outdoors, for which I train four days a week. I like to combine this with camping, hiking, running and mountain biking; the sense of adventure is the ultimate goal of my trips. I have also skied for many years, and more recently taken up cycling.

SKILLS

Languages: Python, Typescript, C++, MATLAB, CSS and HTML

Familiar with front end technologies such as React, Knockout, Bootstrap and LESS

Qualified Advanced Mountain First Aider

Course Representative for Masters Degree

PROJECTS

C++ Monte Carlo Simulation
Calculating particle masses in a lattice gauge theory

Climbing Wall Founder
Co-founder of an Oxford based private climbing wall

Freshers Week Website
Designed and implemented the front-end for my University College website

AWARDS

Academic Scholarship
Awarded for performance in exams in 2014, 2015 and 2016

International Theoretical Physics World Cup 5th place team with competitors from around the world