

Benjamin Percival

Curriculum vitae

SUMMARY PROFILE

I am a logical thinker with a deep interest in scientific developments, ideas and mathematics. I am a strong communicator with high-order spoken and written skills.

WORK EXPERIENCE

SEPTEMBER 2017 – PRESENT

University of Liverpool

PhD Student

I am currently in my final year of PhD research in String theory. This work tackles the fundamental questions in High Energy physics such as the cosmological constant problem, landscape problem, hierarchy problem and fine-tuning within a string theory framework. It requires a range of analytic and computerised techniques to perform the research, as well as a strong command of the literature in the field. Furthermore, I regularly give talks and presentations to different audiences requiring high-order organisation and communication skills.

SEPTEMBER 2016 – JULY 2017

Kaplan International College

Science Tutor

I was employed by Kaplan International College as a full-time Science Tutor for pre-university students. This involved lecturing, leading seminars, module coordination and various pastoral responsibilities.

JUNE – JULY 2016

Haydon Bridge High School

A Level Physics Teacher

After completing my masters degree I worked part time teaching maths and physics to the sixth form students at Haydon Bridge High School.

JUNE – SEPTEMBER 2015

CERN

Summer Student

My work at CERN involved undertaking a research project in accelerator beam dynamics. This culminated in the submission of an extended report documenting my findings. I also attended a wide variety of lectures in all areas relating to the work done at CERN.

I also took the opportunity to do various presentations to other students at CERN and, later, to various public audiences about the work I completed.

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EDUCATION

2012 – 2016 **MSci Natural Sciences**

1ST CLASS HONOURS

Durham University, Durham UK

2010 – 2012 **A levels**

A* A* A A

Lady Manners, Bakewell UK

2009 – 2010 **GCSEs**

9 A* AND 3 A GRADES

QEGS, Horncastle UK

OTHER JOBS AND POSITIONS OF RESPONSIBILITY

2017-PRESENT **Liverpool University**

Maths and Physics demonstrator and marker

2015-16 **Durham University**

Homework Assessor for Mathematics Undergraduates

2014 **Durham University**

Event Assistant and Open Day Ambassador

COMPUTER SKILLS

GOOD LEVEL Linux, Python, Mathematica, LaTeX, Git, HTML, CSS, SATs/SMTs and Neural Nets.

BASIC LEVEL JavaScript, C++ and Fortran.

HOBBIES

- Activist and organiser of political education events
- Prolific reader and blogger: keenly interested in politics, philosophy of science and economics.
- Premier League club cricket and former county junior player
- Competitive chess player