

Stephen Lucas

Personal Details

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Education

University College London (2009 – 2013)

MSci. Physics

First year average: 81.44% (*First class honours*)

Currently a second year undergraduate having already completed modules in:

- Mathematical Methods, Classical Mechanics and Thermal Physics; developing critical and logical thinking skills so that complex problems could be solved.
- Effective Communications; devising oral presentations, summarising articles and writing essays so that scientific ideas and associated opinions could be expressed coherently.
- Practical Skills; improving data analysis techniques and time management so that multiple experiments could be completed within self-set deadlines.

St.Neots Community College (2002 – 2009)

A-levels (2009): Mathematics A, Physics A, Biology A, General Studies A.

AS-levels (2009): Chemistry A.

before introduction of A grade at A-level

GCSEs (2007): 11 A* to A grades including Science A*A*, Drama A* and German A.

Diplomas (2007): AiDA *Credit*, CiDA *Merit*.

Other qualifications:

Full UK Category B Driving License (May 2008)

Appointed First Aider (January 2009)

Additional Skills

Computer Literacy

Proficiency in MATLAB, Dreamweaver, Flash, Adobe Photoshop and all Microsoft Office Packages.

Work Experience

Head Boy & Lead Student: St.Neots Community College (2009)

Multiple roles and responsibilities, including interviewing prospective teachers, touring parents and promoting the college through presentations given on open days and in assemblies. Demonstrated aptitude for working in, as well as leading a team, having organised and chaired several student council meetings. As a member of the lead student programme I was asked to identify the causes and offer solutions to bad behaviour within secondary schools. This involved talking with tearaway students, devising and circulating surveys, collecting the results and combining these to produce an informative yet entertaining presentation.

The presentation was first performed at the Cambridge Outreach Network for Education conference (which as head boy I was asked to host), later being requested by the University of Bedfordshire for trainee teachers undergoing their PGCE course.

Learning Challenge Student Mentor: St.Neots Community College (2008)

Was assigned to a year 8 student that needed assistance with motivation and organisation. I offered advice on these issues, set relevant tasks and monitored the student's progress throughout term.

Administrative Assistant: Bosch Rexroth Ltd, St.Neots (Summer 2006)

Completed in the personnel department, my duties consisted of general clerical work such as filing invoices, updating databases and delivering post.

Awards

Academic

St.Neots Community College - Principal's Award (June 2007)

St.Neots Community College - Young Scientist of the Year Award (June 2009)

Sports

National Swim Awards, levels 1-12 (2003)

Kellogg's Swimming Challenge, Bronze - Gold (2004)

Central England Shotokan Karate Association - 'CESKA', 1st Dan (November 2005)

Hobbies & Interests

Performing Arts

Featured in three secondary school productions as leading characters with speaking, singing and dancing roles, such as the scarecrow in William F.Brown's *The Wiz*. Performed a contemporary dance piece with 'Positive Action' dance group to a full house at 'TheJunction' in Cambridge, then again by invitation to Ipswich's Wosley Theatre. Also play guitar (ungraded) at leisure.

Sports

Ran 10 km for Cancer Research UK during October 2008 raising £100 in total.

Member of St.Neots' Shotokan Karate Club since the age of 7. Have coordinated several junior lessons and partaken in CESKA's regional tournaments, achieving 3rd place for kata (2006). Due to academic pursuits I have taken a break from martial arts, but enjoy casual involvement with UCL's table tennis society and the JCR football team.

Literature

Article published in UCL's π student magazine (October 2009). I vent ideas through '*what a load of blogoni*', a blog that I regularly update, having attracted nearly 2,000 hits in just 3 months. The blog is closely intertwined with my UCL website, where much of my coursework and photography can also be viewed.

References

Available on request.