JAMES CAMPBELL

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PERSONAL PROFILE/OBJECTIVE

A mature Undergraduate seeking a year long industrial placement in Mathematics and/or Computing. I have a very logical mind and have demonstrated my ability to understand complex ideas quickly whilst doing research at my University this summer.

WORK EXPERIENCE

SUMMER 2014 — **Building Game Theoretical Software in a Research Environment**

Worked with lecturer Dr. Vince Knight to contribute to the open source mathematics package: Sage. Responsible for the implementation of a variety of Game Theoretic algorithms that will be included in a release of Sage in the near future. Areas of Game Theory that will be handled include: Normal Form Games, Co-operative Games and Matching Games. This developed teamwork and communication skills by providing real experience of a research environment.

SEPT 2009 - JUL 2013 — **Young Leader at 1st Helsby Scouts**

Developed communication skills whilst helping to supervise and teach children aged 6 - 10 years. Regularly assigned to lead small group activities which improved organisation and leadership.

EDUCATION

CURRENT

BSC MATHEMATICS, STATISTICS AND OPERATIONAL RESEARCH
CARDIFF UNIVERSITY, Department of Mathematics
Expected MAY 2017

SEPT 2011 - JUNE 2013

St. Nicholas Catholic High School XIth Form College
A-Levels: Maths - A*, Further Maths - A, Physics - A
AS-Levels: Biology - B, Chemistry - B

SEPT 2006 - JUNE 2011

St. Nicholas Catholic High School
GCSE's: Maths - A*, Additional Maths - A*, Physics - A*, English Language - A*, English Literature - A*, Biology - A*, Chemistry - A*, French - A, History - A, RE - A, Art - B.

SCHOLARSHIPS AND CERTIFICATES

SEPT. 2013 — Department of Mathematics Scholarship (£1,000)

PROGRAMMING SKILLS

A thourough working knowledge of Python and Git. Both have been used to develop code which contributed to a peer reviewed open source project. Very comfortable with creating professional documents and presentations using LateX. Minor experience with Django, Python's web framework which was used to build a small web application for University project.

ACHEIVMENTS AND INTERESTS

I have been involved in Scouting from the age of 8, playing a large role in the organisation both as member and a leader. Recently, I was appointed a group-wide, adult leader position which will allow me to continue the work I have been doing whenever I am home from University.

I also referee rugby union, and have been doing so since I was 15. Whilst most teenagers might get a Saturday job, I was taking charge of 30 testosterone fuelled men every weekend. As a result I feel very confident in taking charge under a large amount of pressure and have the ability to remain calm in stressful situations. In my spare time I play the piano and reached Grade 5 whilst having lessons, showing commitment and self-motivation.

FIRST YEAR

Grades

EXAM	CREDIT	%
Analysis I	10	78
Dynamical Systems and Chaos	10	80
Calculus	10	71
Algebra I	10	62
Probability Theory	10	81
Algebra II	10	?
Analysis II	10	?
Elementry Differential Equations	10	?
Statistical Inference	10	?
Elementry Number Theory	10	?
Computing for Mathematics	20	?
	AVERAGE	?