

# Paul J. Roberts

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## Education

B. Sc. Computer Science, 1<sup>st</sup> Class, University of Reading, 2006.

Ph.D. Cybernetics, University of Reading, 2011.

*"Automatic Product Classification"*

## Employment

2010 – **Research Scientist and Senior Developer, @UK plc**

Designed and developed software to power the company's core web applications, and allow easy creation of new functionality.

Designed and developed powerful content management software to power websites for customers.

Responsible for planning, designing, developing and supporting large projects for customers.

2006 – 2009 **Research Associate, @UK plc and University of Reading**

Three-year project researching and developing novel systems for an eProcurement company.

Managed stakeholders and customers in @UK plc, University of Reading, Coding International Ltd., the London Procurement Partnership, and Chelsea and Westminster Hospital.

Worked very successfully in a team of three on separate but overlapping projects.

Co-created SpendInsight, a spend analysis tool that became a major focus for the company.

Wrote algorithms for text classification and natural language processing.

Wrote new software for distributed processing.

2005 – 2006 **Coordinator of Nightline (unpaid), University of Reading**

Responsible for leading and motivating a volunteer force of over 60 students running a telephone helpline.

Chaired a committee of ten people to coordinate day-to-day running of the service, and held overall responsibility for the organisation, including key policy decisions.

Liaised with and reported to the organisation's funding and governing bodies; represented the service on a number of committees, and delivered presentations to outside organisations.

Acted in a support role for all Nightline volunteers, in addition to making decisions regarding caller care.

Assisted in the training and assessment of volunteers, and designed and implemented a successful publicity campaign.

**2005 – 2005 Student Mentor, University of Reading**

Lead four 30-minute face-to-face meetings with GCSE-level students; involving discussion of career options, combined with active listening to support students with personal issues.

Supervised a group of 8 students for a weekend at the University of Reading

**2002 – 2003 Computer Technician, the Knights Templar School**

Built a network of 15 computers for the technology department, which involved designing, writing and deploying original network and user management software.

Assisted with management of user accounts for all pupils on the main computer network, in addition to assembling and maintaining hardware and keeping software updated.

Produced bespoke software for staff.

## Skills

Strong knowledge of C#, Java, and Python. Regular programming experience since childhood, used actively for home and work projects.

Extensive knowledge and skills in SQL. Have written and optimized many complex algorithms in T-SQL, MySQL and PostgreSQL.

Experience in web programming, including with the Pylons and Django frameworks, PHP, ASPX, and XSLT.

Experience with the Subversion and Git source control software.

Experience in the design and implementation of algorithms in different paradigms.

Ability to enthuse about a project, and to see it through to its completion.

Sound mathematical ability, and good use of the English language.

Experienced in working in teams

Good leadership and time management skills, used extensively as Co-ordinator of Nightline.

Silver Duke of Edinburgh Award; Certified DSDM Practitioner.

Enjoyment of reading, writing, classical music and photography in spare time.

Full clean UK driving license and an enjoyment of driving.

## References

Available upon request