

# Engineering CV example

## Dan Christopher

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## Education and Qualifications

### University of Portsmouth

Sept 2008 – July 2009

#### MEng Engineering Management Systems

- Major project entitled “Development of a non-return device for medical traction systems”, involved the design, manufacture and testing of a linear non-return system. In collaboration with Finsbury Ltd.
- Technical dissertation entitled “Environmental design requirements for aerospace technology” involved the understanding of design concepts and practices in aerospace.

### University of Portsmouth

Sept 2004 – July 2007

#### BEng (Hons) Design and Materials (Class 2:1)

#### Diploma in Industrial Studies (DipIS)

- Final year dissertation entitled “Improved design process for exhaust gas heat exchangers involved”.
- Evaluation and problem solving of a fork truck, diesel protection system for hazardous areas. In collaboration with Pyroban Ltd.
- Integrated Engineering & Business Project. Worked in a group to form a consultancy company, and develop and present the design for a lighter than air machine. Involved teamwork, research of standards and design of the airship on ProE.
- Course projects: Redesigning the fifth wheel, problem solving to allow close cupping. 3D modelling of electrical assembly in ProE. Development of scales and a self powered baked bean machine. Conducting polymers research paper.
- Utilised packages: AutoCAD, Pro/Engineer, Microsoft office, PowerPoint, internet and email systems.
- Included a year in industry at Pyroban Ltd, gaining a Diploma in Industrial Studies.

### Alton College

Sept 1999 – July 2003

**BTEC National Diploma in Engineering** – Best Engineering project of the year

**BTEC First Diploma in Engineering**

**City and Guilds 201 in Engineering**

### Perins Community School

Sept 1994 – July 1999

- 7 GCSEs – Winner of Michael Curtis Design & Technology Award

## Relevant Work Experience

### Pyroban Ltd, Shoreham-by-sea (Leaders in Hazard Protection)

Aug 2005 – Aug 2006

#### Tester

Sandwich placement

- Based in the Operations department. Mainly involved with testing of fork truck, diesel protection systems for hazardous areas ensuring they conformed to current legislation. This involved demonstrations of the effectiveness of protection systems to potential clients and visitors. The testing of new variations of diesel protection devices for fork truck and offshore applications to satisfy legislation and external auditors, which involved time management and team work ensuring testing was achieved between production, fitting and shipping. Research testing was developed to create more realistic tests of worst case scenarios and temperature testing of current, new and trial protection systems.
- Major achievement was the development of the test facility into an independent test laboratory in accordance with new upcoming legislation. This required project management in the production of new laboratory test procedures, the development of

test methods and demonstrations of competence during audits by Sira, an independent auditing body.

- Projects undertaken: the implementation of preventative maintenance schema, design and development of a hydraulic press, asset management, performance testing of a telehandler, and development of temperature testing.
- Training received included, Pyroban protection safety systems familiarisation course, Kaizen training, and basic Health & Safety.

**ADS Technology, Alton (Manufacture of wire looms)  
Technician**

**June 2008 – Aug 2008**

This consisted of preparing wire looms ready for instalment into buildings. This involved both working on own and as a team member within different departments to prepare wire in connectors and test the looms.

**Aerogen, Alton (Manufactures of Gas burners)  
Assembler**

**June 2008 – Aug 2008**

Summer spent in each of the departments, Burner, Fitting, Electrical and Testing. This involved manufacturing burners, assembling gas control systems both mechanical and electrical as well as testing several burner systems.

**Other Work Experience**

**University of Portsmouth  
Barman, Cellars man, Caretaker Part-time Job**

**Sept 2005 – May 2008**

Undertaken various roles within the Student Union from pulling pints to taking in deliveries. Mainly worked as a caretaker maintaining the premises and assisting in the organisation of events.

**Watercress Line (Preserved Steam Railway)  
Kitchen Porter / Assistant Part-time Job**

**May 2002 – Aug 2005**

Started as a kitchen porter. Improved own status within the catering section to become an assistant to the catering manager. This involved running the buffet, supplying passing trains, preparing functions, serving, and teamwork.

**Hobbies and Interests**

**Rock Climbing**

Member of the University of Portsmouth Mountaineering Club, held three positions on the committee; Treasurer 2006–07, Equipment Officer 2007–08 and Secretary 2008–09.

Enjoy both bouldering as well as traditional climbing and am building up to lead. Through this hobby have used and enhanced skills such as, communication and teamwork when climbing in a group.

**Art**

Interested in artistic activities such as drawing and painting. Mainly enjoy model making and building and converting models from kits or raw materials, before painting them for display.

**References**

Arnie Stone, Building Services Manager,  
University of Portsmouth Students' Union,  
The Student Centre,  
Engineering,  
Cambridge Rd,  
Portsmouth, PO1 2EF  
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Jasmine Jones, BEng MSc DMS CEng MIMechE  
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