

Engineering CV example

Dan Christopher

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Education and Qualifications

University of Portsmouth **Sept 2014 – July 2015**

MSc Advanced Manufacturing Technology (Merit)

- 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 2008**

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

- 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.
- Competent user of: AutoCAD, Pro/Engineer, Microsoft Word, 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 2008 – Present**

Tester

Aug 2006 – Aug 2007

- Based in the Operations Department. Responsible for testing fork trucks and diesel protection systems for hazardous areas - ensuring they conform to current legislation at all times.
- Evaluate the effectiveness of protection systems to potential clients and visitors.
- Test new variations of diesel protection devices for fork trucks and offshore applications to satisfy legislation and external auditors. This involves incorporating good time management and team work skills to ensure testing is achieved between production, fitting and shipping.

- Developed a 'Research Testing System' to create more realistic tests of worst case scenarios and temperature testing of current, new and trial protection systems.
- Involved in the development and project management of the test facility into an independent test laboratory in accordance with new upcoming legislation.
- Produced new laboratory test procedures, methods and demonstrations to meet competence standard audits by Sira (independent auditing body).
- Further 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.
- Successfully completed training in: Pyroban protection safety systems (familiarisation course), Kaizen training, and occupational Health & Safety.

**ADS Technology, Alton (Manufacturer of Wire Looms)
Technician**

**June 2005 – Sept 2005
(Summer Internship)**

- Prepared wire looms ready for instalment into buildings. Worked both independently and as a team member within different departments to prepare wire in connectors and test the looms.

**Aerogen, Alton (Manufacturer of Gas Burners)
Assembler**

**June 2004 – Aug 2004
(Summer Work Experience)**

- Gained experience and knowledge in the departments of: Fitting, Burner, Electrical and Testing. Duties involved participating in the manufacturing of burners, assembling gas control systems (both mechanical and electrical) as well as testing several burner systems.

Other Work Experience

University of Portsmouth

Sept 2005 – May 2008

Part-time Caretaker, Barman and Shop Sales Assistant

- During term-time periods, undertook various roles within the Student Union from taking deliveries to working in the Student Union shop. 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 – June 2004

- 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 Shoreham-by-Sea Mountaineering Club, held three positions on the committee; Treasurer 2009–10, Equipment Officer 2010–12 and Secretary 2013–present.
- 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

- Available on request