

Andrew Wilde

Personal Details

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Engineering Skills

I am a hard-working, responsible Engineer, and I aim to achieve Chartered status in the near future. I can communicate well, both on paper and verbally, and believe I have strong common sense and job ownership.

I believe it is essential for an Engineer to have both a technical *and* a practical understanding of both the product and the way it interfaces with the rest of the system. This includes inspection, assembly and testing of it (and its components & sub-assemblies), and an understanding of not only the unit, but also of the application it will be used in.

A good engineer never stops learning, and has the ability to turn their hand to whatever job is required. Having a wide technical experience base also encourages technologies and ideas to develop. It is also useful to have an understanding of the business processes across a business, to enable effective interactions between departments. I feel that my experience and training put me in a strong position to deliver these qualities.

Mechanical systems

I have a practical and hands-on understanding of engineering in general, and like to comprehend how a system works. I have strong 3-D visualisation skills, am numerate, and also understand the mathematics behind sound engineering principals. I usually maintain my own cars & bikes, and have been involved in the design & development of various pieces of equipment relating to my interests, in addition to my professional experience.

Pressure Containing Equipment, Corrosion, Hydraulics & Mechanical Handling

I have good knowledge of pressure containing equipment including use of ASME B31.1 & B31.3 piping codes. I have a good understanding of the mechanisms of corrosion, and am used to working in the subsea sector including coating systems and cathodic protection to Norsok M503, DNV RP-B 401 and ISO 12473. I have good knowledge of hydraulics, and am familiar with pressure systems rated to 20000psi and clean environments to NAS 1638 or SAE AS-4059 Classes 4 or 6. I have worked with both water-glycol based fluids and oil-based fluids. I have also worked with lifting & handling equipment and am familiar with LOLER, PUWER, and offshore containers standard DNV 2.7-1.

Computer literacy

I have some programming skills (Fortran, Basic, HTML and Visual Basic), and have analysed large quantities of data in spreadsheets such as Excel. I take a pride in knowing how to use a piece of software properly, and being able to extract the best from it. I have done some temping on an IT helpdesk, and have good general computer literacy (including building my own PC's).

Qualifications

Sept 96 - July 99	Bath University	MSc in Fluid Power Systems
Oct 92 - July 96	Bath University	B Eng (Hons) in Mechanical Engineering (2(ii))
Sept 88 - July 92	Culford School, East Anglia:	
	A Levels (2 A's & 2 B's)	Maths, Further Maths, Physics, Chemistry
	AS Levels	General Studies & Maths
	GCSE (Grades A-C)	10 Subjects, including Maths, Physics & English.

I hold a full, clean UK drivers licence.

Employment History

March 06 – August 06 Sabbatical

Taken time out to:

- Pursue Chartered Engineer status
- Set up company to allow contract work
- Work on my house (to make myself available for work around the country, if required) and set up an alternative base in Bisley, Surrey
- Spend some time on interests outside of work

Sept 00 – March 06 Vetco Gray Controls (was ABB Offshore Systems)

Senior Mechanical Engineer and Subsea Control Module (SCM) Unit Specialist, involved with engineering, development & qualification of Subsea Controls, Distribution Equipment and associated Test Equipment.

Equipment I have been involved in recently includes Subsea Control Modules, SCM Subsea Mounting Bases, Offshore & Onshore rated SCM Test Equipment, Offshore rated Shipping Frames, 3kV electrical power & fibre optic Communications Distribution Module, Protective Covers (to protect critical subsea equipment from corrosion & deployment damage), Depth & Temperature Compensation Devices, and most recently I have been involved in a Task Force working on SCM Improvements, Component Qualification, a Six Sigma programme and a Root Cause Failure Analysis programme.

I have worked offsite in Brazil and Aberdeen (both onshore assignments). I was regularly involved in coordinating with suppliers, which sometimes involves off-site work.

Feb 00 – Sept 00 Cross Manufacturing

Temporary short-term contract, filling in for a Placement Student who wanted to go travelling. This allowed me to work in Engineering whilst still taking time off for interviews and job-hunting, and allowed Cross to take on a skilled Engineer with no permanent contract & a short notice period. I was:

- Running an R&D test facility for development of self-cleaning water filters
- Developing product design
- Testing for reliability, endurance and effectiveness

Aug 99 – Feb 00 Manpower (Whilst job-hunting for a Graduate Position)

Variety of:

- IT (setting up systems & helpdesk work)
- Data entry
- Administration
- Production line work

Jan 97 – Sept 99 Work whilst at University

Voluntary work as Night-bus driver
Part-time Delivery Driver for Dominos Pizza
Part-time Night-shift Sales Assistant at an Esso Service Station

July 88 – Jul 97 Work before University

Factory work during holidays to fund degree
Regular voluntary work at a local nature reserve
Week-long voluntary residential project restoring a local lock and canal

Non-Professional Positions of Responsibility & Achievements

I have represented British Universities and more recently Somerset for target shooting, and have this season achieved my first 'cap' for a UK national team (touring to the Channel Islands in May 2006). I have competed at national squad qualifying level at both sailing and target shooting. I also enjoy being involved with coaching both beginners and experienced sportsmen & women, and sharing my experience and knowledge to help others improve.

I have held various positions of responsibility, ranging from House & School Prefect & Captain of Sailing at school, to Treasurer, Captain & Chairman of various University sports clubs, and more recently committee member of local Rifle Club & County Shooting Association.

At school I achieved Bronze Medallion for lifesaving, and Bronze, Silver & Gold Duke of Edinburgh awards. At university I was awarded with the Bath University Blue award for both Rifle Shooting and Sailing.

Interests

Target Shooting:

I have been involved with the target shooting since my first year at university and have been on the committee of various clubs & county associations for nearly 15 years. During this time I have started up clubs, and been involved with the rebuilding and re-certification of the University Range. I have had numerous successes, including being selected to represent the UK on a National Tour in May 2006. These responsibilities and the required dedication & psychological awareness to achieve these standards are very useful and transfer well as professional skills.

DIY and Maintenance:

I maintain my own car and motorbike, and own a kit car. I enjoy the challenge of understanding how something works, and I like to use lateral thought and innovation to imagine ways to improve designs. I enjoy DIY and have made significant improvements to my house since graduating.

Photography:

I have been creating photographs for as long as I can remember, and with the increase in popularity (and reduction in cost) of digital photography, am now getting involved with digital photography quite seriously. This skill has been very useful professionally in documenting some of the testing I have completed, and capturing fault conditions that are challenging to record.

Sailing:

I have been a keen sailor for many years, although have stopped competitive sailing due to time constraints. I have taught many newcomers to sail, and have also had success at both team and individual racing.

Other Interests:

I enjoy the creativity of cooking, gardening and landscaping, and value getting away to remote areas such as Dartmoor, the Brecon Beacons & the Highlands to hike or cycle. I also enjoy the mental discipline of other 'target sports' such as archery, air pistol, clay pigeon and winter biathlon. I find sports psychology particularly rewarding, especially as this transfers skills to all sides of my life, not just sport.