

Peter Dobson

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Education

BSc (Hons) Design Engineering, Bournemouth University

2009 - 2013

Degree Modules

First Year	Second Year	Final Year
<ul style="list-style-type: none">Engineering ApplicationsTechnological PrincipalsMaterials and ProcessingDesign Methods and ProjectsDesign Media	<ul style="list-style-type: none">Engineering SimulationDesign for ProductionDesign ProjectsDesign VisualisationManagement and Commercialisation	<ul style="list-style-type: none">Final Year ProjectsAdvanced Technology and InnovationBusiness Development

Final Year

Degree Outcome: 2:1, 68.65%

For my final year project I designed a steam pipe inspection robot to detect corrosion and wall thickness. Linking to this project I have written a scientific paper on flow-accelerated corrosion in steam pipelines. I have also written a business paper on the feasibility of Vauxhall in the UK and the strategy General Motors should take with the company. This year required a high level of independent learning and that process was aided by problem-based learning projects on electronics.

Second Year

71.26%

I continued from the same learning style as in the first year and went deeper into topics that were covered but research was more heavily required for coursework. Additionally I learnt about the other factors that influence engineering companies such as law, management and finance. Projects were varied and included: FEA analysis of a light aircraft wing, programming an autonomous robot, designing an analogue to digital interface system, developing a military tank crane and a reciprocating saw drill attachment.

First Year

71.68%

I learnt about all the essential topics needed for an engineering career: mechanics, electronics, mathematics, materials, manufacturing and CAD. For projects I designed a military tank track, manufactured an inverting op-amp PCB and machined a vice.

Elizabeth College, Guernsey

2002 - 2009

- A-Levels: Maths (A), Physics (B), Geography (B).
- AS-Levels: Spanish (B).
- 9 GCSEs at grades A*- B.

Specialist Skills

Software

- Very experienced at: 'SolidWorks', 'MS Visio' and 'MS Word.'
- Good working knowledge of: 'NX Unigraphics', 'MD Solids', 'CES', 'AutoCAD', 'MS Excel.'
- Some knowledge of: 'Working Model 2D and 4D', 'Multisim', 'DIANA', 'Proteus ARES' and Arduino.

Key Skills

- Fraud, Anti-Money laundering and Counter Terrorism Financing awareness.
- Presentational skills. I had to do presentations for projects during my degree and I did a talk in front of 100+ children about my degree course and experience at university.
- Team work was needed for projects during my course this developed my social, organisational and communication competencies.
- At Elizabeth College I was part of the CCF (Combined Cadet Force) for 3 years. The CCF helped me develop confidence and discipline as I experienced different, unfamiliar situations every week.

Work Experience

Generali Worldwide

April 2015 – Current

I am working for one of the world's largest life insurance companies – currently ranked 48th in Fortune's 'Global 500' - as a *Process Mapping Analyst*. This job involves using MS Visio to create visual diagrams of procedures to BPMN 2.0 standard. This is done to comply with a Solvency II, an EU Directive. It also integrated with Generali's push for 6σ to make its operations more efficient and to reduce risk. I have also been working on a 'Broker Licencing' and 'Surrender Operational Efficiencies' project as the majority of process mapping was finished in November 2015.

The 'Broker Licencing' project involved me looking into the majority of jurisdictions worldwide to find what type of licence is needed and where they are issued from.

I am currently working on the 'Surrenders Operational Efficiencies' project, creating and populating a spreadsheet to around a new process and analysing the data to make suggestions where we can make the process even more efficient and keep better track of the status of the surrenders.

I have been working in the 'PMO' department, which manages projects. I have seen a great deal of how they implement and manage the changes in the company.

Coglan Station, NSW, Australia

September – December 2014

In Australia I worked on a cattle and sheep station. The work was varied as I was helping with the animals and doing construction. My main activities were fencing paddocks and help keeping the sheep in good health. It was physically and mentally demanding at times due to the heat and nature of work.

It was a great experience I could not have had back home and gave me an insight into a very different way of life. I gained a lot there especially in confidence, social skills and an inclination to jump into new challenges.

Miles Dobson Roofing

2007 - 2014

During the holidays I work for my father's business in the building industry. I have worked on a great number of buildings and on many aspects of construction. I have built new roofs, restored existing ones and worked on a variety of roof types, including turrets on a 175-year-old castle valued at £16m.

Working alongside my father has allowed me to attain a great deal of responsibility. It has meant that I have developed a great attention to detail and precision as my work reflects on the reputation of my father's business.

Aquastar

February - March 2012

Aquastar is a luxury motor yacht company that builds bespoke yachts in the 38' to 85' range. During my time at Aquastar I learnt, in-depth, about the complete manufacturing process of making luxury yachts and techniques used to ensure quality. I was given a high level of responsibility as the company was short-staffed. My main role was fibre-glassing. I also worked on installing electrical systems for the engines.

This practical work for a distinguished manufacturer added to my attention for detail and showed my high level of adaptability as I picked up these unfamiliar skills quickly.

Interests

- In the past year I have started 'shaping' my own surfboards and I enjoy experimenting with different composites to see the difference in the end product. It gives me great pleasure to ride my boards and find that they perform surprisingly well.
- In 2014 I travelled up and down the East surf coast of Australia to advance my surfing skills and to experience Australia and its culture.
- In March 2012 I moved to Santander, Spain, for 3 months to improve my Spanish that I learnt at AS-Level and to progress on my surfing skills.
- I have competed in many surfing competitions these include: BUCS in Newquay, 2009; placing 2nd in U18 Guernsey Surf Championships, 2008; placing 2nd in Children In Need surf competition, 2006.
- Other interests include windsurfing, down-hill skateboarding and disassembling machines to understand how they work.

References

References are available upon request.