

Paulo Stanford

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Professional Profile

A final year BEng Petroleum Engineering student with professional experience in advanced drilling solutions, petroleum refinery operations, and implementation of procedures and best practices following knowledge management processes. Seeking a graduate engineering role in the oil and gas industry to develop engineering and management skills and apply new ideas to real-life industry problems.

Education

09/2011 – 07/2015: BEng (Hons) in Petroleum Engineering, University of Portsmouth, United Kingdom (Predicted Grade - Second Class Honours-Upper Division)

Degree has focussed on the study of Structural Geology, Petroleum Refinery Operations, Petroleum Reservoir Thermodynamics and Fluid Properties, Reservoir and Drilling Engineering, Petroleum Production Engineering and Engineering Mathematics, Instrumentation and Control.

This course has enabled me to:

- Gain introductory training on reservoir simulation software systems and complete lab experiments on topics such as: Eclipse; Petrel; CMG; Drilling Mud; Mud Density; Mud Viscosity; Retort Analysis; Mud Rheology; API Filtration Test and API HPHT Filtration Test.
- Obtain knowledge and understanding of principles that underpin engineering science, mathematics and applied sciences essential for a petroleum engineer.
- Undertake field visits (such as Singleton and Storrington oil fields) and gain an understanding of: technology application in the field; how operations are conducted; the challenges faced during and after production (specifically in gas and water management); and the expectations of oil and gas engineers.
- Improve analytical skills, leading to the ability to apply engineering principles to a wide range of applications.
- Develop competence in engineering design and work with ultra-modern equipment such as x-ray diffractometers, x-ray fluorescence spectrometers, scanning electron microscopes, ICPMS and atomic absorption spectrophotometers.
- Appreciate and understand the economic, social and environmental context in which petroleum engineers' work.
- Develop the ability to think critically and analyse information in an objective manner in order to form a judgement.
- Analyse data to review, enhance or promote sustainable development and use creativity to establish innovative solutions.
- Enhance the ability to work independently or in groups to manage projects and meet deadlines.

09/2007 – 07/2011: Brockenhurst College

- BTEC National Diploma in Engineering - Awarded best engineering project of the year.
- BTEC First Diploma in Engineering.

Relevant Experience

06/2013 - 06/2014: Drilling Solutions Engineer Assistant (Placement Year)

National Oilwell Varco, Porthethen - Aberdeen.

- Monitored tool performance and reported trends to product centre on a case-by-case basis. Recorded findings on a Microsoft Excel spreadsheet and liaised with product centre by telephone and email.
- Gathered competitor's tool performance data to assist the company's sales force with detailed performance studies. This was conducted for the purpose of critical or strategic applications; ensuring drilling performance was optimised.
- Employed the 'conventional drilling cost' formula to perform 'Bit Run' cost equations; providing Drilling Engineer with quick estimates of offset bit run costs and the ability to compare drilling bits.
- Assisted Drilling Solutions Engineer in complaint reports and hazard and near miss investigation processes; often encouraging peers to follow health and safety procedures and best practices through sharing information in accordance with company's knowledge management processes.

Petroleum Engineering - Example CV

- Supported five administrative staff in the assembly of case histories and outstanding 'Bit Run' reports for internal and external use.
- Generated open communication between Drilling Solutions Engineer and Product Line Engineers to improve efficiency of product development, dispatch and receipt.
- Promoted the technical image of National Oilwell Varco in the local area through membership of industry groups, technical papers and local publications.
- Provided technical applications support to sales through customer visits and presentations.
- Delivered local technical guidance for BitTrak and IT needs.
- Assisted in the coordination and optimisation of fixed cutter drill bit repairs and provided rig site sales assistance.

Other Experience

06/2014 – Present: Media Director

Society Petroleum Engineers (SPE) - Portsmouth Student Chapter.

- Gained an understanding of website design and planned, developed and launched a SPE 'Student Chapter' website for the University of Portsmouth.
- Worked with a team of 10 members to effectively monitor and carry out regular maintenance on the website; frequently sharing knowledge on the oil & gas industry as well as website development to ensure information was kept up-to-date.
- Regularly attended SPE meetings to enhance industry knowledge and network with engineering professionals.

10/2011 - 05/2013: Conservation Volunteer

Groundwork South - Portsmouth.

- Dedicated 4 hours a week to create and improve green spaces in the Portsmouth area; with the aim of reconnecting people and the community with nature.
- Regularly worked in a team of four to ten people to undertake environmental and access improvements, particularly in the nature areas along the Hermitage Stream in Havant.
- Gained experience in practical work, using tools and safety equipment to make footpaths, plant trees and clear vegetation/foilage.
- Helped those furthest from the job market back into work by providing training and support during conservation work.
- Demonstrated excellent interpersonal skills through communicating and interacting with local families to help them save money, reduce waste and promote greener living.
- Provided assistance to other conservation groups who were behind schedule completing countryside management tasks. Often re-scheduling my working hours or being on call to ensure project deadlines were met.
- Planned, organised and recorded volunteer work by implementing a 'personal diary'. This allowed me to keep a reflective account of work undertaken and ensure university assignments were submitted on time and to a high standard.

Additional Qualifications & Information

- 9 GCSEs grades A*–C, including Maths, English and Science (Priestlands School: 2007-2011).
- Member of IMechE and SPE.
- Familiar with the web, Microsoft Office™ tools (Word™, Excel™ and PowerPoint™) and other common applications (browsers etc.).
- **English:** Mother tongue. **Spanish:** Fluent in comprehension, reading, writing and speaking.

Interests and Activities

- Subscribe to *The Journal of Petroleum Technology* to keep up-to-date with issues in the oil and gas industry, technology advancements and news about Society Petroleum Engineers and its members.
- Member of the University of Portsmouth's Equestrian team.
- Enjoy cooking recipes from all around the world.
- Passion for travelling in order to learn about the history, culture and lifestyle of different countries.

References available on request