
MEng Chemical Engineering

The University of Leeds

Term Address: *****
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Personal Profile

I am a hardworking and self-motivated chemical engineering student. Last year I achieved my target and received a first for the second year of my studies. I am looking for a placement; so that I can apply the knowledge I have already gained, to compliment my understanding further.
My degree is accredit with the IChemE and I believe that coupled with a year in industry, it will help me to achieve my career goal of becoming a Chartered Chemical Engineer.

Education

The University of Leeds, School of Process, Environmental & Materials Engineering 2011-Present
MEng Chemical Engineering

Grades: Year 1: 2.1 Year 2: 1st Year 3: currently achieving a first.

******* College: Access to Science Course 2010-2011**

Chemistry – Distinction; Mathematics – Distinction
Physics – Completed but ungraded part of the course.

******* Secondary School, *****: GCSE's 2000-2006**
Achieved 8 GCSEs B-C including B in Science and Maths.

Key Modules and Projects

BEng Design Project (Currently achieving a 1st)

This team project was focused around the design of a detergent plant. My contribution to this was the initial research into the raw materials used and some of the major calculations for the mass and energy balances. Further I am independently working on designing a burner, which produces the flu gas needed to dry a slurry mixture. For this design I have to consider its chemical and mechanical design, as well methods of control and safety factors.

Laboratory and Project Assignments (Grade: 1st)

During my second year I undertook a series of laboratory and computer based assignments. The labs introduced key pieces of equipment and the computer assignments mainly involved the use of the software Aspen HYSYS and Microsoft Excel. The reports were judged on how effectively and clearly they communicated the laboratory experiments, so an individual with no prior knowledge could understand the subject matter. My approach was to utilise text, (including background reading) combined with pictures and diagrams to illustrate my points more clearly.

Mini Design Project (Grade: 1st)

This team project looked at the production of Cumene. During the project I took an active role leading the team and regularly organised meetings and distributed work. I found this project not only helped me develop my leadership skills but also my communication skills, as there was a number of presentations; including one to a large audience.

Health, Safety & Environment (Grade: 2.1)

The first half of this module focused on air emissions and waste water treatment. Whilst the second half considered health and safety in the workplace and the legislation that protects us. I found this really interesting and could relate to my own experience as a trainer at Nandos; inducting new staff and going through health and safety procedures and documents.

Achievements

- Awarded a bursary from Leeds University after Achieving outstanding College grades.
- Competed in HELLRUNNER, an extreme run in aid of Cancer care for CLIC Sargent.

Key Employability Skills

- **Leadership** Developed whilst managing my second year project and in my current employment as a trainer.
- **Problem Solving** Modules like my Project Assignments module in year two have helped me become more creativity when thinking about how to solve a problem.
- **Communication skills** From working in various environments I believe I have acquired a broad range of communication skills, and feel confident talking to individuals, small groups, large audiences and academics alike.
- **Team-working** Team working is essential in my role as a cook at Nandos, as we must work together to maintain the same high standard during peak business hours.
- **Customer Awareness** Whilst working at Nandos I have learnt to value the customer's perspective and how this may be used to strengthen a business.
- **IT Skills** I have some formal training on Aspen HYSYS, AutoCAD and PROCEDE, and I feel confident using Microsoft Excel, as well as Microsoft Word and Power Point.

Employment

Nandos, ****

2009 - Present

- Trained Both Cashiers and Cooks to a standard where they can effectively carry out their own duties.
- On shift I am in charge of both cold and hot stock, this means anticipating what will happen next so that wastage is kept to an absolute minimum.
- Implemented time-management strategies to help assist with certain tasks, for example the initial morning setup.
- Having to deal with customer complaints and issues in a polite and timely manner, always aiming to resolve the matter where possible.

Blacksmith's Arms, *****

2008-2009

- General bar and restaurant duties.
- Importance of good communication skills, as it was a local cliental.
- Cashing up and other money handling responsibilities.

Mazurek Optical Services Ltd, Nationwide

Summers 2008 and 2009

- Carried out minor repairs and scheduled maintenance work to optical equipment.
- General Workshop duties

Interests/Hobbies

- I am a Leader within the Leeds RAG for this year's HELLRUNNER; this involves getting more people involved, organising registration and leading training sessions up to the race in April.
- I enjoy attending the gym, playing rugby and I am an accomplished skier.
- I have made two major visits to South-East Asia, where I travelled around Cambodia, Thailand and Vietnam.
- In my spare time I enjoy keeping up to date in the engineering and scientific world by reading the IChemE and New scientist magazines and online articles.

References

Academic Reference Dr. Aiden Westwood, Lecturer in Materials Engineering, Leeds Faculty of Engineering, A.V.K.Westwood@leeds.ac.uk, Tel: 0113 343 2555

Employer Reference *****