

Jonathan Sample

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Education

BEng (Hons) Mechanical Engineering (predicted 2.1), University of Aberdeen, 2016 – 2020

Courses included: Engineering Mathematics, Mechanics of Structures, Fluid Mechanics, Design of Mechanical Elements, Engineering Analysis and Methods, Project and Safety Management

Individual project: Interaction Between Surface Flows and Subsurface Flows within Highly Permeable Layers

Group design project: Design of Assembly Units for Blast Protection and Venting

Carlisle High School, Carlisle, 2011 – 2016

Advanced Highers: Mathematics (B), Physics (B)

Highers: Mathematics (A), English (B), Chemistry (B), Physics (B), History (C)

Relevant Work Experience

IAESTE Intern, Kwame Nkrumah University of Science and Technology, Ghana, Summer 2019

Selected for this British Council-run scheme to be part of a research group at Ghana's specialist technical university:

- Contributed to a project on electrifying Ghana's rural areas by comparing technical specifications of different photovoltaic installations.
- Took part in face-to-face, telephone and video conferences with partners at other African and European universities.
- Built excellent working relationships with colleagues at KNUST and with my fellow interns.

Summer Placement Student, Gibbs Engineering, Glasgow, Summer 2018

Worked on a project to develop a non-destructive testing method for safety valves:

- Responsible for testing the effect of vibration on the valves, designing and carrying out several experiments.
- Presented my findings to the client via a written report and presentation.
- My initial work is being continued and it is hoped will lead to a new and more cost effective testing method in the near future.

Further Work Experience

Customer Adviser, Bank of Scotland, Aberdeen, October 2018 – present

- Provide a wide range of services to customers mainly over the telephone but sometimes also in-branch.
- Keep up-to-date with the full product range the Bank of Scotland offers and make customers aware of any additional sales opportunities as we work to challenging targets.
- Have improved my customer service and listening skills enormously through contact with a wide variety of clients.

Bar Staff, Tom's Grill, Glasgow, Summer 2016 and 2017

- Worked as part of the team in this extremely busy pub and restaurant.
- Also frequently dealt with difficult customers in an efficient and courteous manner.

Skills

- Problem Solving** Have been able to develop and hone my problem solving skills throughout my degree studies, both in individual and group projects. My work experience in Ghana and at Gibbs Engineering have allowed me the opportunity to apply my theoretical knowledge to real word problems.
- Communication** Have developed excellent communication skills through my customer service experience at Tom's Grill and in the Bank of Scotland where building a rapport with clients is key. Have written a number of reports exploring complex ideas as part of my course and presented professional reports at both my summer placements.
- IT** Proficient in the use of Microsoft Office packages, including Word, Excel and PowerPoint. Also have some experience of Microsoft Access and have used AutoCAD and SolidWorks in my degree projects.
- Team Work** Proactive when working in a team and often take a lead role. For my final year group project, took on the role of chairperson and was responsible for directing the group and ensuring we achieved a successful outcome and delivered the project on time.
- Business Awareness** As an active member of the Aberdeen Enterprise Society, have taken part in business idea competitions and attended seminars and workshops from successful business people. During my summer placement at Gibbs Engineering, worked on a project which ultimately provided a cost saving for the client which gave me a great insight into how engineering and business interact.

Interests & Achievements

Career Mentoring:

Selected to take part in the University's Career Mentoring Programme where I was matched with an experienced engineer working for Wood Group. Gained many insights into the role of an engineer in the oil and gas sector and was invited to shadow my mentor for a day, which was particularly interesting.

Academic/Class Representative:

Elected to this position for several of my classes. Canvassed the views of my classmates and liaised on any issues with the academic staff in the School of Engineering. This involved attending regular Staff-Student Liaison Committee meetings and feeding information back to my peers.

Enterprise and Entrepreneurship:

Currently a member of Aberdeen Enterprise Society (ABES) and regularly attend events organised by the Scottish Institute of Enterprise (SIE), including talks by successful entrepreneurs and competitions.

Reading:

Enjoy reading about pioneers in engineering, ranging from greats such as Isambard Kingdom Brunel to those who invented everyday items such as Percy Shaw and his Cat's Eye.

References

Available on request